

The Only Evening Paper in St. Louis With the Associated Press News Service

VOL. 77. NO. 104.

PRICE 2 CENTS

FINAL
EDITION
♦ (Complete Market Reports) ♦

ST. LOUIS, SATURDAY EVENING, DECEMBER 20, 1924—16 PAGES AND RADIO SECTION.



ST. LOUIS POLICE
BOARD ASKED TO
RESIGN BY HYDE

Reason for Action at
Request of Governor-Elect
Baker Not Apparent on
Surface.

MEMBERS HAVE
NOT BEEN CRITICIZED

Similar Steps Not Taken in
Case of Election Board,
Which Is Under Fire by
Politicians.

BY CURTIS A. BETTS.

Gov. Hyde, at the American Hotel today, confirmed reports that he had asked for the resignation of the members of the St. Louis Board of Police Commissioners, which will make possible their replacement at any time by Governor-elect Baker. Gov. Hyde denied that resignation of members of the Board of Election Commissioners had been requested.

This is an indication that the political organization fight on the Election Commissioners, both Democratic and Republican, has availed nothing with the incoming Governor, at least not to the present time, though the fact that more than three months will elapse before the municipal election in St. Louis will give the two party committees considerable time to come to bring influences to bear on Baker in their effort to accomplish the removal of all members of the commissioners.

They are asking for the appointment of commissioners who will work in a spirit of co-operation and harmony with the practical politicians of both parties.

Reason Not Apparent.

There has been no particular opposition to the St. Louis Police Board members, and there has appeared nothing to indicate a reason Baker may have to replace them, either than possibly a desire to get some of his appointments out of the way quickly.

It is the expectation that the resignations will be accepted by Gov. Hyde whenever Governor-elect Baker informs him he is to name the new commissioners, and that the appointments will be made as soon as after Baker takes office Jan. 12, if they are not made by Hyde at Baker's request before that time.

The method being followed is an unusual one and one which could easily result in getting the incoming Governor into something of a political tangle if there should develop serious opposition to Baker.

Appointments made by Gov. Hyde before he retires from office or by Governor-elect Baker before the adjournment of the Legislature in March must be submitted to the Senate for confirmation. If confirmation should be withheld, the appointees would be prevented from holding the office, and Baker would then be compelled to select others.

Jobs Heretofore Basis of Trades.

Some Government jobs have used the basis of trades with members of the Senate on legislation they desired. The selection of Police Commissioners to whom certain Senators were opposed could be used by a Governor to induce Senators to vote as the Governor wanted on administration measures.

On the other hand, the tables could be turned by the Senators and the Governor forced to withdraw his appointees if he would obtain support for his measures.

Early appointments sometimes enable a Governor to pay several political debts with one job. If the Senate refuses to confirm an appointment the Governor has met any obligation he might have to that individual, and then can pay an other obligation by appointing another to the same place.

Last of the Great Practical Jokers Dies a Natural Death—Life to Brian Hughes was one joke after another, but he like most jokers, his were funny.

The "Hoodeoos" of the McClintock Millions—For the fifth time, possession of this for time has been followed soon afterward by death. And the latest "victim" was a young man of 21, with a devoted fiancee.

EBERT WINS LIBEL SUIT

Editor Gets 6 Months in Case Brought by German President.

London, Dec. 20.—A verdict in favor of Pres. Ebert of Germany, in his suit for libel against Editor Rothke of the *Mitteldeutsche Zeitung*, has been rendered by the Court at Magdeburg, according to an agency dispatch from Amsterdam. The editor was sentenced to six months in prison.

Mother Earth Captures a Baby Moon—That's the belief of some astronomers who estimate that it is only 400 feet in diameter, and 2500 miles away. Now the acquisition of a third satellite is possible some of them say.

Order Your Copy Today

By the Associated Press.

WASHINGTON, Dec. 20.—The Advisory Board of the Inland Waterways Corporation today reported to Secretary Weeks that both the Mississippi and Warrior sections of the waterway system could be made "successful carriers," but that an expenditure of \$5,000,000 would be necessary to do it.

5,000,000 IS ASKED FOR

MISSISSIPPI-WARRIOR SYSTEM

By the Associated Press.

WASHINGTON, Dec. 20.—A verdict in favor of Pres. Ebert of Germany, in his suit for libel against Editor Rothke of the *Mitteldeutsche Zeitung*, has been rendered by the Court at Magdeburg, according to an agency dispatch from Amsterdam. The editor was sentenced to six months in prison.

By the Associated Press.

ST. LOUIS POLICE

BOARD ASKED TO

RESIGN BY HYDE

Reason for Action at Re-

quest of Governor-Elect

Baker Not Apparent on

Surface.

MEMBERS HAVE

NOT BEEN CRITICIZED

Similar Steps Not Taken in

Case of Election Board,

Which Is Under Fire by

Politicians.

BY CURTIS A. BETTS.

Gov. Hyde, at the American Hotel today, confirmed reports that he had asked for the resignation of the members of the St. Louis Board of Police Commissioners, which will make possible their replacement at any time by Governor-elect Baker. Gov. Hyde denied that resignation of members of the Board of Election Commissioners had been requested.

This is an indication that the political organization fight on the Election Commissioners, both Democratic and Republican, has availed nothing with the incoming Governor, at least not to the present time, though the fact that more than three months will elapse before the municipal election in St. Louis will give the two party committees considerable time to come to bring influences to bear on Baker in their effort to accomplish the removal of all members of the commissioners.

They are asking for the appointment of commissioners who will work in a spirit of co-operation and harmony with the practical politicians of both parties.

Reason Not Apparent.

There has been no particular opposition to the St. Louis Police Board members, and there has appeared nothing to indicate a reason Baker may have to replace them, either than possibly a desire to get some of his appointments out of the way quickly.

It is the expectation that the resignations will be accepted by Gov. Hyde whenever Governor-elect Baker informs him he is to name the new commissioners, and that the appointments will be made as soon as after Baker takes office Jan. 12, if they are not made by Hyde at Baker's request before that time.

The method being followed is an unusual one and one which could easily result in getting the incoming Governor into something of a political tangle if there should develop serious opposition to Baker.

Appointments made by Gov. Hyde before he retires from office or by Governor-elect Baker before the adjournment of the Legislature in March must be submitted to the Senate for confirmation. If confirmation should be withheld, the appointees would be prevented from holding the office, and Baker would then be compelled to select others.

Jobs Heretofore Basis of Trades.

Some Government jobs have used the basis of trades with members of the Senate on legislation they desired. The selection of Police Commissioners to whom certain Senators were opposed could be used by a Governor to induce Senators to vote as the Governor wanted on administration measures.

On the other hand, the tables could be turned by the Senators and the Governor forced to withdraw his appointees if he would obtain support for his measures.

Early appointments sometimes enable a Governor to pay several political debts with one job. If the Senate refuses to confirm an appointment the Governor has met any obligation he might have to that individual, and then can pay an other obligation by appointing another to the same place.

Last of the Great Practical Jokers Dies a Natural Death—Life to Brian Hughes was one joke after another, but he like most jokers, his were funny.

The "Hoodeoos" of the McClintock Millions—For the fifth time, possession of this for time has been followed soon afterward by death. And the latest "victim" was a young man of 21, with a devoted fiancee.

EBERT WINS LIBEL SUIT

Editor Gets 6 Months in Case Brought by German President.

London, Dec. 20.—A verdict in favor of Pres. Ebert of Germany, in his suit for libel against Editor Rothke of the *Mitteldeutsche Zeitung*, has been rendered by the Court at Magdeburg, according to an agency dispatch from Amsterdam. The editor was sentenced to six months in prison.

By the Associated Press.

ST. LOUIS POLICE

BOARD ASKED TO

RESIGN BY HYDE

Reason for Action at Re-

quest of Governor-Elect

Baker Not Apparent on

Surface.

MEMBERS HAVE

NOT BEEN CRITICIZED

Similar Steps Not Taken in

Case of Election Board,

Which Is Under Fire by

Politicians.

BY CURTIS A. BETTS.

Gov. Hyde, at the American Hotel today, confirmed reports that he had asked for the resignation of the members of the St. Louis Board of Police Commissioners, which will make possible their replacement at any time by Governor-elect Baker. Gov. Hyde denied that resignation of members of the Board of Election Commissioners had been requested.

This is an indication that the political organization fight on the Election Commissioners, both Democratic and Republican, has availed nothing with the incoming Governor, at least not to the present time, though the fact that more than three months will elapse before the municipal election in St. Louis will give the two party committees considerable time to come to bring influences to bear on Baker in their effort to accomplish the removal of all members of the commissioners.

They are asking for the appointment of commissioners who will work in a spirit of co-operation and harmony with the practical politicians of both parties.

Reason Not Apparent.

There has been no particular opposition to the St. Louis Police Board members, and there has appeared nothing to indicate a reason Baker may have to replace them, either than possibly a desire to get some of his appointments out of the way quickly.

It is the expectation that the resignations will be accepted by Gov. Hyde whenever Governor-elect Baker informs him he is to name the new commissioners, and that the appointments will be made as soon as after Baker takes office Jan. 12, if they are not made by Hyde at Baker's request before that time.

The method being followed is an unusual one and one which could easily result in getting the incoming Governor into something of a political tangle if there should develop serious opposition to Baker.

Appointments made by Gov. Hyde before he retires from office or by Governor-elect Baker before the adjournment of the Legislature in March must be submitted to the Senate for confirmation.

On the other hand, the tables could be turned by the Senators and the Governor forced to withdraw his appointees if he would obtain support for his measures.

Last of the Great Practical Jokers Dies a Natural Death—Life to Brian Hughes was one joke after another, but he like most jokers, his were funny.

The "Hoodeoos" of the McClintock Millions—For the fifth time, possession of this for time has been followed soon afterward by death. And the latest "victim" was a young man of 21, with a devoted fiancee.

EBERT WINS LIBEL SUIT

Editor Gets 6 Months in Case Brought by German President.

London, Dec. 20.—A verdict in favor of Pres. Ebert of Germany, in his suit for libel against Editor Rothke of the *Mitteldeutsche Zeitung*, has been rendered by the Court at Magdeburg, according to an agency dispatch from Amsterdam. The editor was sentenced to six months in prison.

By the Associated Press.

ST. LOUIS POLICE

BOARD ASKED TO

RESIGN BY HYDE

Reason for Action at Re-

quest of Governor-Elect

Baker Not Apparent on

Surface.

MEMBERS HAVE

NOT BEEN CRITICIZED

Similar Steps Not Taken in

Case of Election Board,

Which Is Under Fire by

Politicians.

BY CURTIS A. BETTS.

Gov. Hyde, at the American Hotel today, confirmed reports that he had asked for the resignation of the members of the St. Louis Board of Police Commissioners, which will make possible their replacement at any time by Governor-elect Baker. Gov. Hyde denied that resignation of members of the Board of Election Commissioners had been requested.

This is an indication that the political organization fight on the Election Commissioners, both Democratic and Republican, has availed nothing with the incoming Governor, at least not to the present time, though the fact that more than three months will elapse before the municipal election in St. Louis will give the two party committees considerable time to come to bring influences to bear on Baker in their effort to accomplish the removal of all members of the commissioners.

They are asking for the appointment of commissioners who will work in a spirit of co-operation and harmony with the practical politicians of both parties.

Reason Not Apparent.

There has been no particular opposition to the St. Louis Police Board members, and there has appeared nothing to indicate a reason Baker may have to replace them, either than possibly a desire to get some of his appointments out of the way quickly.

It is the expectation that the resignations will be accepted by Gov. Hyde whenever Governor-elect Baker informs him he is to name the new commissioners, and that the appointments will be made as soon as after Baker takes office Jan. 12, if they are not made by Hyde at Baker's request before that time.

The method being followed is an unusual one and one which could easily result in getting the incoming Governor into something of a political tangle if there should develop serious opposition to Baker.

Appointments made by Gov. Hyde before he retires from office or by Governor-elect Baker before the adjournment of the Legislature in March must be submitted to the Senate for confirmation.

On the other hand, the tables could be turned by the Senators and the Governor forced to withdraw his appointees if he would obtain support for his measures.

Last of the Great Practical Jokers Dies a Natural Death—Life to Brian Hughes was one joke after another, but he like most jokers, his were funny.

The "Hoodeoos" of the McClintock Millions—For the fifth time, possession of this for time has been followed soon afterward by death. And the latest "victim" was a young man of 21, with a devoted fiancee.

EBERT WINS LIBEL SUIT

Editor Gets 6 Months in Case Brought by German President.

London, Dec. 20.—A verdict in favor of Pres. Ebert of Germany, in his suit for libel against Editor Rothke of the *Mitteldeutsche Zeitung*, has been rendered by the Court at Magdeburg, according to an agency dispatch from Amsterdam. The editor was sentenced to six months in prison.

WILL WAIVE FEES IF WAINWRIGHT WILL IS UPHELD

Edwin W. Lee, Temporary Administrator, Makes Announcement in Letter to the Washington U. Board

DEFENDS PREVIOUS ACTION IN THE CASE

Considers Original Proposal in Matter Was Put Up to Him in Unfair and Unjust Manner.

Announcement of his willingness to serve without compensation as administrator pending life of the Ellis Wainwright estate in the event the will, now being contested, by an adopted daughter, is sustained, has been made by Edwin W. Lee, attorney. The announcement is in the form of a letter to the board of Washington University corporation, follows:

"Referring to my previous refusal to waive my fees as administrator pending life of the estate of Ellis Wainwright, deceased, I think it is only fair at the outset to tell you that the reason for my refusal was the unfair way, in my opinion, in which the proposition was put up to me and which aroused my indignation and resentment at the beginning. This was followed by what I considered an unjust unfair and uncalled for attack in the papers, which was based on misinformation as to the actual facts and which I construed, in view of other statements made to me, as an attempt to coerce and force me into an acceptance of the proposition. I believe the action taken by me at that time, under the circumstances, was such as would have been taken by each and every one of you.

Appointment Regular, He Says.

"My appointment was correct and regular in every way and I do not consider it as being unfair. Wainwright was only doing what the law positively required him to do. Let me further say that the attorney for the executors under the Wainwright will expressed his approval and satisfaction of my appointment by the court within 10 minutes after it was made. As a matter of fact, this attorney was the first one to advise me of my actual appointment and told me personally that he was satisfied with it, and that it was one of the two men in St. Louis he was going to see. Judge Wainwright's appointment was highly acceptable to the executors and Washington University, and the assets would be turned over to me within a day or two.

"After a careful consideration of the matter in all of its phases, I have reached the conclusion that I would not let my pride, resentment and just indignation over the way the matter was presented to me, stand in the way of the interests of the city of St. Louis, Washington University and the Children's Hospital. As I told Chancellor Hadley last Sunday, if he had only come to me first and personally put the proposition of the waiver of my fees to me squarely and fairly without any strings tied to it, or insulation or conditions attached, I would have accepted the proposition immediately.

Offers to Waive Fees.

"In view of my interest in Washington University, of which institution I am a graduate, which interest is evidenced by my activities along athletics lines, in view of my interest in the Children's Hospital to which I have always been a contributor when asked, and in view of the fact that I believe that the interest and welfare and upbringing of the city of St. Louis and the State of Missouri are involved, I am glad to advise you as follows:

"I will serve as administrator pending life of the estate of Ellis Wainwright, deceased, without charge or compensation for any services to be rendered or work done by me if the will of Ellis Wainwright is sustained, in which event, of course, Washington University and the Children's Hospital become the principal beneficiaries under the will.

"I regret very much the unpleasant and unnecessary controversy which has arisen over this matter

\$40,000,000 IN WALL STREET CHRISTMAS BONUSES

Practically Every Worker in District to Share in Great Gift by Business, by the Post-Dispatch.

NEW YORK, Dec. 19.—The biggest Santa Claus in the world now proves to be an institution that has been called by other names than those usually attached to the genial patron saint of Christmas—for Wall street is distributing \$40,000,000 or more in Christmas bonuses.

Office boy, clerk, senior partner—practically every worker in the field is interested—will share in what will be the greatest gift business has ever made to itself. Now, before has Wall street had so much means or so much will to reward its workers. Bonuses are unbroken, talk in the district, among houses after business hours is falling in line and publishing news of extraordinary Christmas presents, while the majority of broker firms and banks are still holding off the announcement so that they may slip these nest eggs into the toes of Christmas day stockholders.

The estimate of a \$40,000,000 distribution was made by a member of one of the street's largest firms. It is admittedly a conservative one. Many Christmas statistics place the amount at \$75,000,000.

AMERICAN RIFLEMEN WIN BACK THE ARGENTINE CUP

Marksmen of United States Also Take Pan-American Team Championship.

Indicated on Bribes Charges.

By the Associated Press.

ATLANTA, Ga., Dec. 20.—A. E. Sartain, former warden of the United States prison here, and L. Fletcher, former deputy warden, today stood indicted on charges of soliciting and receiving bribes from inmates of the penitentiary.

Warrants sworn out against them were dismissed by United States Commissioner Abbott in view of the indictments. They were held on \$5000 each.

Sartain was charged with having received from Chester C. Tuten, convicted of violating the prohibition law, \$5000 for an appointment as chauffeur to Dr. A. E. Quillian, prison physician.

The individual rifle championship was won by S. R. Hinds, one point over M. Fisher of the Mexican Olympic and International championships. Among the United States team were George Rohm, U. S. A.; R. O. Conner, M. C. and Ensign Morgan, U. S. N.

The next rifle match will take place in Cuba in October, 1925.

DISCHARGED CLERK SHOOTS THREE PERSONS, KILLS SELF

President of Atlanta Shoe Company Slain by Disgruntled Former Employee.

By the Associated Press.

ATLANTA, Ga., Dec. 20.—Two men are dead and two others seriously wounded as the result of a shooting here yesterday in the heart of Atlanta's business district.

The dead are Fred S. Stewart, president of a large retail shoe company, and Edward O. Riordan, a discharged clerk, who shot him.

After wounding S. R. Turner and H. E. Maddox, two department managers in the store yesterday, and shooting at Mrs. William King, employee, Riordan killed himself.

Persons were in the aisles of the store when the shooting occurred.

Alleged Slayer Kills Prisoner.

By the Associated Press.

MARIETTA, Ga., Dec. 20.—Shortly after being placed in the County jail on a charge of killing Babe Shipman of Eastman, Ed Sanders yesterday attacked Ed Dewitt, another prisoner, and beat him to death. Officers could intervene. Sanders had never been seen Dewitt before officers said. Dewitt was in the jail on a theft charge.

\$50,000 Fire at Tupelo, Miss.

By the Associated Press.

TUPELO, Miss., Dec. 20.—A half block of buildings in the business section of Tupelo was destroyed by fire yesterday, causing an estimated loss of \$300,000. The fire was discovered in the Masonic club rooms and spread rapidly to adjacent buildings, burning four hours before being checked. The origin has not been determined.

and which could have been very easily avoided."

Comment of Hadley.

Commenting on the statement of Lee, Chancellor Hadley today said: "I am of course gratified at the statement of Judge Lee that he will ask for no compensation as administrator of the Wainwright estate. I am glad to advise you as follows:

"I will serve as administrator pending life of the estate of Ellis Wainwright, deceased, without charge or compensation for any services to be rendered or work done by me if the will of Ellis Wainwright is sustained, in which event, of course, Washington University and the Children's Hospital become the principal beneficiaries under the will."

"I regret very much the unpleasant and unnecessary controversy which has arisen over this matter

FURTHER ARRESTS MADE IN ATLANTA PRISON SCANDAL

Second Draft in Blackmail Case, Still Uncashed, Shown by Prosecutor at Hobbs' Trial.

By the Associated Press.

JERSEY CITY, N. J., Dec. 20.—David J. Allen, recently dismissed as assistant purchasing agent of the Federal Penitentiary in Atlanta, Ga., and John J. Coyle, former New Jersey State Assemblyman from North Bergen, were arrested by the police here yesterday on charges of grand larceny.

Allen and Coyle were taken into custody at the request of District Attorney Alexander J. Blessing of Schenectady, N. Y. They are being held in \$10,000 each to await identification by Schenectady authorities.

According to information furnished the Jersey City police, Allen and Coyle were indicted in Schenectady on Oct. 25.

Former Warden and His Deputy Indicted on Bribes Charges.

By the Associated Press.

ATLANTA, Ga., Dec. 20.—A. E. Sartain, former warden of the United States prison here, and L. Fletcher, former deputy warden, today stood indicted on charges of soliciting and receiving bribes from inmates of the penitentiary.

Sartain was charged with having received from Chester C. Tuten, convicted of violating the prohibition law, \$5000 for an appointment as chauffeur to Dr. A. E. Quillian, prison physician.

The individual rifle championship was won by S. R. Hinds, one point over M. Fisher of the Mexican Olympic and International championships. Among the United States team were George Rohm, U. S. A.; R. O. Conner, M. C. and Ensign Morgan, U. S. N.

The next rifle match will take place in Cuba in October, 1925.

RAJAH'S CHECK FOR \$750,000 IS PRODUCED

By the Associated Press.

LONDON, Dec. 19.—At the resumption today of the Bow street proceedings against William Hobbs, who cashed one of the checks involved in the Rajah Hart Singh blackmail case, an account produced a letter from the Rajah, Dec. 15, 1919, saying:

"I am giving Capt. Arthur (James Charles Arthur, the Rajah's add), whom you know, two signed blank checks numbered B204561 and B204562.

"I am giving Capt. Arthur sent this with a covering letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"

On March 4, the Rajah sent a letter to the bankers, saying:

"I have to inform you that check No. B204562 has been filed in favor of Appleton & Co. for £150,000 (£750,000). Check B204561 has been filled in favor of Appleton & Co. to meet the second cheque will necessitate funds being transferred. Would it be possible to send one of your staff to Paris this week end to arrange the matter personally with the Rajah?"</p

REPRIEVE NOTICE LOST ON EVE OF EXECUTION

Youth Snatched From Chair by
Supreme Court Justice's
Prompt Action.

LAW LIMITING PRESCRIPTION OF LIQUOR UPHELD

Federal Circuit Court of Appeals Sustains Law Fixing Maximum Amount for Medicinal Use.

SUPREME COURT DECISION CITED

Judges Declare Medicinal Value of Whisky Is Disputed and Quote Medical Association Bulletin.

By Louis W. Kline, New York Bureau of the Post-Dispatch.

NEW YORK, Dec. 20.—Reversing a decision given some months ago by Federal Judge Knox, who held that physicians could prescribe to patients more than the set of liquor every ten days allotted by the Volstead law, the United States Circuit Court of Appeals has unanimously upheld the constitutionality of the law's restricting clause.

Judge Knox granted an injunction yesterday to Dr. Samuel W. Lambert, who had sued to restrain the Federal prohibition department and the United States Attorney's office from enforcing the Volstead provision, which was regarded by physicians as a curtailment of their professional rights.

In the appeals court decision, written by Judge Rogers and concurred in by Judge Hough and Judge Hand, the court declared the constitutionality of the provision of the United States Supreme Court in a case under the Wills-Campbell act in which breweries sought to establish their right to manufacture malt beverages for medicinal purposes.

None of the attempts to have the Wills-Campbell act declared unconstitutional has succeeded, the decision points out, and the courts of the United States have acted from the beginning on the assumption that acts of Congress are constitutional until proved otherwise, well beyond all reasonable doubt.

The opinion further rules that the medicinal value of whisky is a disputed matter and quotes from a bulletin of the American Medical Association frowning on its use as a medicine. It also quotes from the Supreme Court's decision that manufacturing for medicinal purposes opens the doors to clandestine traffic.

Referring to the United States Supreme Court's decision in the Wills-Campbell act, which prohibited the prescription of malt liquors, the appeals court stated that "the reasoning upon which that decision went is exactly the reasoning upon which we decide the case now before us."

BOY, 16, ADMITS STEALING 7 AUTOS AND ROBBING 2 WOMEN

Tells Police He Took Cars for Joy-Rides, Abandoning Them After a Time.

Two policemen, noticing that the Hennepin plateau's Chevrolet, a racing car parked before a restaurant at 3170 South Grand Boulevard, had been tampered with, as if to conceal the true number, arrested a 16-year-old youth, who confessed last night to the theft of seven automobiles.

The youth, who had been eating in the restaurant at the time of the arrest at 5 a. m. yesterday, said he was Kenneth Kramer, 3650A Arsenal street. He admitted he had stolen the Chevrolet from Ninth and Clark streets the night of Dec. 16. The car belonged to Edward Robbins, 5957 Neosho street.

Kramer told how he had taken six other machines since October, using them for joy-rides and abandoning each machine after the theft. He also confessed to holding up two women near 3660 Connecticut street the night of Dec. 8 and robbing them of \$2.56. The women, Mrs. Blanche Brown and Mrs. Bernard Bick of 3552 Wyoming street, identified Kramer as the boy who had robbed them.

ISAC H. COHN'S WILL, FILED TODAY, LEAVES ALL TO WIDOW

Attorney Disclaims Knowledge of Estate's Value Aside From \$423,500 Life Insurance.

The will of Isaac H. Cohn of 726 Madison avenue, president of the North American Electric Lamp Co., and the National Steel Rail Co., who shot and killed himself in an apartment in Forest Park Tuesday, was filed today. His widow, Ella Z., who is made executors, also valuable worth \$200.

Fraternity House Is Damaged by Fire.

Twenty-seven fire alarms were sounded in St. Louis from 12 p. m. yesterday to 6 a. m. today. Most of the fires were caused by over-heating.

A number of Washington University students, residing in the Sigma Tau Omega fraternity house at 400 Skinker street, were compelled to flee to the street by a fire that at 4 o'clock last night, which damaged the three-story brick building \$4,000 and the contents \$2,000. An overheated furnace in the basement started the fire.

Eleven students reside at the house, but not all were there when the fire broke out. Two who had retired appeared in their pajamas at second-floor windows and descended by means of ladders. Fire departments of St. Louis and Clayton responded to the alarms.

Fire in Drug Store Spreads to Dance Hall Above.

The Arcade, a two-story brick and frame structure at 5534 Vernon avenue, was discovered to be on fire at 1:10 a. m. today, a time when the dance hall on the second floor conducted by Mrs. Anna F. Bates and the first-floor pharmacy conducted by Carl N. Klein were deserted. Police reported the fire originated behind the prescription

court to have the will filed.

Attorney Arnsdorf said he did not know the value of the estate, aside from \$423,500 in life insurance which Cohn carried.

REPRIEVE NOTICE LOST
ON EVE OF EXECUTION

Ruins of Dwelling Where 9-Year-Old Boy Died in Fire



Continued from Page One.

region, had the highest temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature running from Fort Wayne, Ind., through St. Louis, Springfield, Mo., Oklahoma City, Ok., and across the Texas Panhandle, with below-zero weather north of the line and above-zero weather below it.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It was at Corpus Christi, Tex., last night and at 6:30 a. m. at Shreveport, La., today, while Charleston, Tex., was experiencing sleet. As yesterday, Lander, Wyo., is the country's coldest spot, with the temperature at 35 below zero to-day.

Today's weather map showed the line of approximate zero temperature in the country this morning, and that was only 63 degrees. It

Radio Plays Big Part In Assisting Crippled Rail and News Service

Associated Press Found It Only Means of Communication for Many Hours Between St. Louis and Outside World.

Radio jumped into the breach and played its part well in maintaining communication between widely scattered points in the Middle West yesterday, last night and early today, when telegraph and telephone lines were crippled, and in some instances, entirely out of commission, because of storm damage.

For many hours the only transmission channel of the Associated Press was through radio stations in St. Louis, Chicago, Kansas City and Jefferson City. Post-Dispatch station KSD had this and other traffic through St. Louis, and similar service was given by WMAQ, Chicago; WOS, Jefferson City, and WDAF, Kansas City. KSD was in touch with these stations at various times yesterday and last night and was in frequent communication with WOS. In this way considerable service was rendered in the storm emergency.

This service covered a wide range. News that could be obtained in no other way was received and retransmitted for Associated Press. Information as to the storm damage and as to the location of trains was obtained for railroad companies by KSD and important messages were conveyed to construction men for the Western Union and Postal Telegraph companies, thus enabling them to locate and repair damaged lines.

Reporting Train Movements.

As instances of this service is found in the following messages:

WDAF, Kansas City to KSD, St. Louis: "The Rock Island Railroad Requests information regarding train 25, leaving St. Louis at 10 last night, No. 23 leaving St. Louis at 7 this morning and No. 29, leaving at 9 this morning."

Within a short time this radio answered back, relayed through Jefferson City:

"Train 25 returned to station in St. Louis and consolidated with No. 29, which left St. Louis at noon today. Train 23 left St. Louis at 12:15 p.m. today."

A little later a radio message from KSD informed the Rock Island at Kansas City that train 25 arrived in St. Louis at noon.

Gov. Hyde of Missouri, stranded in St. Louis by the storm, used station KSD to transmit an important message to his daughter. It was sent in this form:

"If Gov. Hyde's daughter did not leave Jefferson City on today's morning train, he desires her to postpone her trip to St. Louis until next week. Gov. Hyde wants to

know if his daughter has started for St. Louis and can be reached in care of KSD."

Governor Gets Reply.

"Tell Gov. Hyde his daughter will not come until next week." Information to this effect was conveyed to the Governor here by telephone from station KSD.

At various times yesterday and last night communication through KSD was used by District Superintendent Blume of the Postal Telegraph Co. He sent this message to L. A. Schirmer, Jefferson City:

"Have been trying all day to get you over long distance and Western Union, and WOS, and WMAQ, and WDAF, Kansas City. KSD was in touch with these stations at various times yesterday and last night and was in frequent communication with WOS. In this way considerable service was rendered in the storm emergency.

This service covered a wide range. News that could be obtained in no other way was received and retransmitted for Associated Press. Information as to the storm damage and as to the location of trains was obtained for railroad companies by KSD and important messages were conveyed to construction men for the Western Union and Postal Telegraph companies, thus enabling them to locate and repair damaged lines.

Reporting Train Movements.

As instances of this service is found in the following messages:

WDAF, Kansas City to KSD, St. Louis: "The Rock Island Railroad Requests information regarding train 25, leaving St. Louis at 10 last night, No. 23 leaving St. Louis at 7 this morning and No. 29, leaving at 9 this morning."

Within a short time this radio answered back, relayed through Jefferson City:

"Train 25 returned to station in St. Louis and consolidated with No. 29, which left St. Louis at noon today. Train 23 left St. Louis at 12:15 p.m. today."

A little later a radio message from KSD informed the Rock Island at Kansas City that train 25 arrived in St. Louis at noon.

Gov. Hyde of Missouri, stranded in St. Louis by the storm, used station KSD to transmit an important message to his daughter. It was sent in this form:

"If Gov. Hyde's daughter did not leave Jefferson City on today's morning train, he desires her to postpone her trip to St. Louis until next week. Gov. Hyde wants to

STATE SENATOR BAGBY KILLED IN AUTO CRASH

ROBBERS GET \$180,000 AND BURN TWO BANKS

Fayette Legislator Suffers Broken Neck When Machine Goes Over Embankment.

By the Associated Press
FORT WORTH, Tex., Dec. 20.—Law forces throughout Texas and Oklahoma combined efforts today in a search for Otto Starr, notorious Oklahoma outlaw, whose bandit gang is believed to be responsible for the sacking yesterday of the town of Valley View, 35 miles north of Fort Worth.

The accident occurred at a sharp curve in the road, which forms an approach to a bridge. The steel-covered road made it difficult to make the turn. Senator Bagby suffered a broken neck. Spine fractures are not dangerous, it was said.

Senator Bagby was 33 years old. He had been associated in the practice of law here with his father, R. L. Bagby, and had served as Prosecuting Attorney of Howard County. He was elected to the Senate from the Fourteenth District two years ago on the Democratic ticket.

BOY SHOT IN HOLDUP SAME

By the Associated Press
CHICAGO, Dec. 20.—Stanley Swiecki, 12, is near death, as a result of having suffered in silence for three hours yesterday rather than tell his mother he had been shot accidentally through the lung by his friend, Frank Sternal, 14.

The boy had the weapon in the Sternal home and was playing at having each other up when he heard the sound of a gun. The wounded boy walked the streets until he found his mother, who had told his mother he had a headache. When she became alarmed and summoned a doctor, the wound was discovered. The Sternal boy was held by the police.

NONE HELD IN LYNCHING CASE

Coroner's Jury Reports "Unknown Persons" Hanged Negro.

By the Associated Press
CHARLESTON, Mo., Dec. 20.—A verdict of "death at the hands of persons unknown to us" was returned by a Coroner's jury which yesterday investigated the lynching of Roosevelt Grigsby, 27, year-old Negro, here. Thursday night, Grigsby was hanging and burned by a mob.

The verdict said Grigsby had come to his death "after a free and open confession of criminal asault" upon a high-school girl. Evidence was heard purporting to corroborate the alleged confession.

Sheriff C. D. Jackson and Deputy Sheriff Jesse Gillespie testified they did everything in their power to prevent the lynching.

Still Found in Poindexter Cabin.

By the Associated Press
SPOKANE, Wash., Dec. 20.—Discovery was made Friday that the summer home of Miles Poindexter, United States Ambassador to Peru and former Senator from Washington, has been used for several weeks as a "hooch" cabin. It was announced by Sheriff Charles of Spokane County, who said the cabin, from his office found a still being operated there.

IF YOU FIND ANYTHING look in the Lost and Found column or advertise therein.

GIRL ON SLED FATALLY HURT

Boy Companion Also Injured in Collision With Auto.

By Associated Press and Radio Feature WDAF to KSD, Post-Dispatch, Kansas City, Dec. 20.—Esther Pickford, 16, received fatal injuries in coasting accident here today. The sled on which she was riding, with Clifford Thompson, 17, collided with a motor car. The boy was dangerously wounded.

DEATHS

NOTICE OF DEATHS

EDDIE MARTIN DEFEATS ABE GOLDSTEIN FOR BANTAM TITLE

Former Champion
Ruins Chance by
Constant Holding

New Fistic King Is 21 Years'
Old and Is of Italian
Ancestry.

REAL NAME IS MARTINO

Only Two Defeats in His Rec-
ord Were His First Bouts
an an Amateur.

By the Associated Press.

NEW YORK, Dec. 20.—The world awoke today to find a new champion and the shoes of "Terrible Terry" McGovern of Brooklyn were filled.

Eddie (Cannibally) Martin, intensely nervous, yet plunging into the battle with an attack that knew no quarter, stood forth as the world's greatest bantamweight boxer by his victory over Abe Goldstein of New York at Madison Square Garden last night. Newspeper men agreed that Martin earned his honors.

McGovern accomplished thefeat in 1899 before Martin was born, and the present king of the midgets never saw the old master in action. But their styles, consisting mainly of relentless aggression, are said to be strikingly similar.

Martino, whose real name is Martino, is one of a family of 14 children. He was born 21 years ago in Brooklyn of Italian parentage. He started his career as an amateur and the only two reverses he has ever known were suffered in the first bouts he entered. Since becoming a professional, he has participated in two dozen matches, but never has suffered defeat in 64 contests. He won 22 by knockouts.

Goldstein Resorts to Clinching.
Goldstein lost his belt by taking the defensive after the first three rounds and acquiescing to the clinching methods that Martin employed.

At the start the former champion fought as he did when he was climbing the ladder to the crown. A clever and fast boxer, he stood away and shot in bats to hit his opponent's face, and drove heavy blows to the body.

Martin would not stop. He kept plunging in, shaking off the jabs and smiling at the blows, until he forced Goldstein into clinching. With his method established, Xar-
den drove to the stomach and up-
percut to the head. His adversary was no match for him at this game. Round after round saw him forcing the fighting, giving double for one, and twice for one.

Goldstein on the other hand, was hugging after the first round and was cautioned by the referee. At times Martin was compelled to use football tactics in releasing himself.

Carl Tremaine of Cleveland defeated Sonny Smith of Brooklyn in the semifinal bout. Tremaine got the judge's decision at the end of eight rounds. It was a whirlwind of arms, but no knockdowns, as had been expected.

**Rockne Completes
Football Schedule.**

Teams From All Sections but
Pacific Coast Have Place
On Notre Dame's List.

SOUTH BEND, Ind., Dec. 20.—After ironing out various conflicts and other difficulties that necessitated a change in his 1924 football schedule, Coach Knute Rockne announced last night that Minnesota would be played at Minneapolis on Oct. 24, and Penn State would be met at State College on Nov. 7. The revised card is as follows:

Baylor at Notre Dame, Oct. 7.
Lombard at Notre Dame, Oct.

Beloit at Notre Dame, Oct. 10.
Army at New York (Yank Stadium), Oct. 17.

Minnesota at Minneapolis, Oct. 24.

Georgia Tech at Atlanta, Oct. 31.

Penn State at State College, Nov. 7.

Carnegie Tech. at Notre Dame, Nov. 14.

Northwestern at Notre Dame, Nov. 21.

Nebraska at Lincoln, Nov. 28
Thanksgiving day.

**Billikens Beat
Indiana Normal.**

Special to the Post-Dispatch.

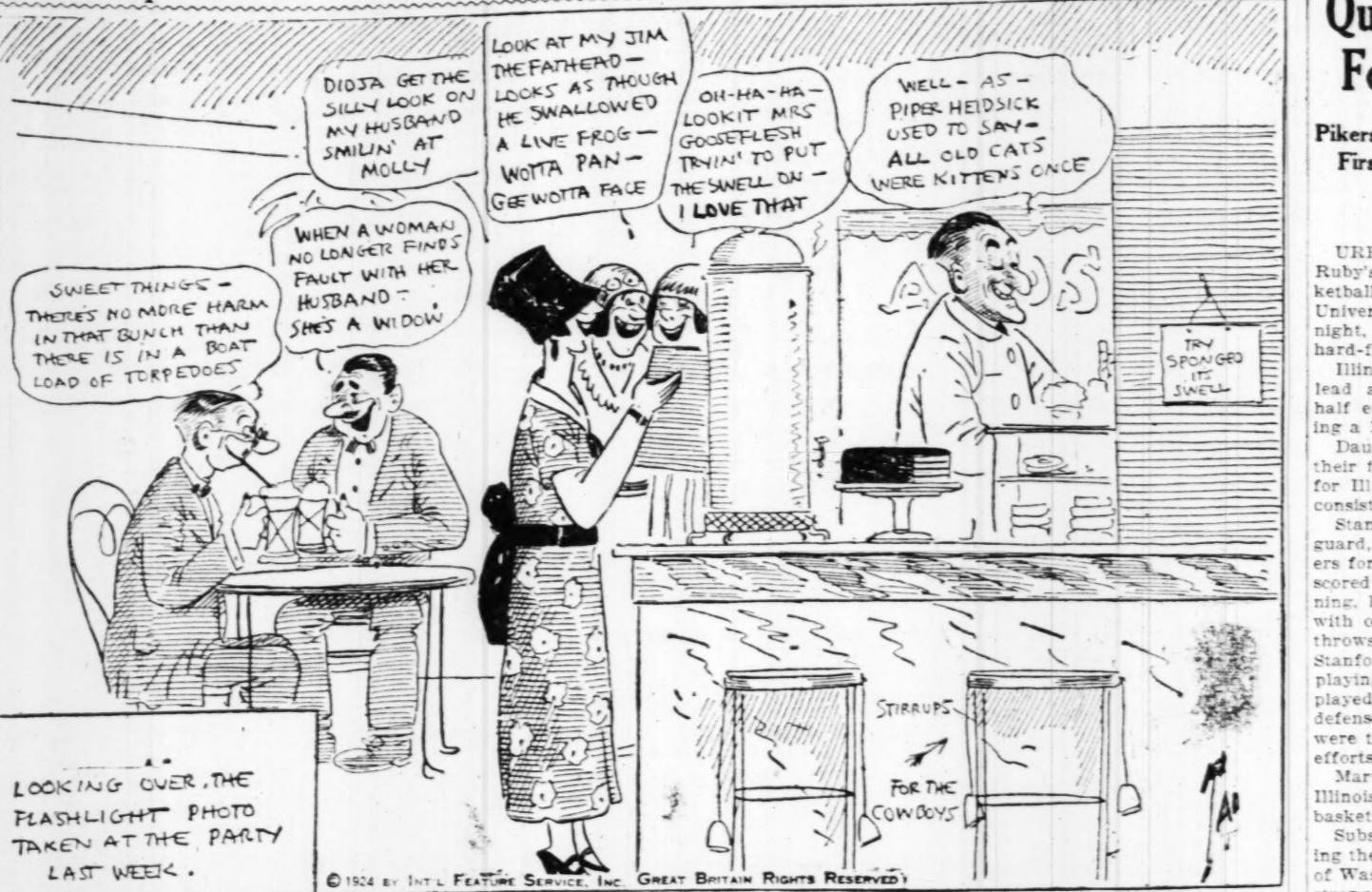
DANVILLE, Ind., Dec. 20.—St. Louis University's strong basketball team defeated the Danville Central Normal School quarters last night, score 21 to 14. At the end of the first half the score stood 12 to 3 in favor of the visitors.

The visiting team showed superiority in passing and had the game well in hand at all times. W. Bradburn and Kapt each scored three field goals for St. Louis.

**ILLINOIS GOLFERS
FAVOR CALIFORNIA**

CHICAGO, Dec. 20.—The campaign was started yesterday by the Illinois Professional Golfers' Association to take the national open golf championship for 1924 to California at some date in February.

Indoor Sports



By Tad

Illinois Basket Quintet Too Fast For Washington

Pikers Make Hard Fight in
First Half but Are Finally
Beaten 36 to 20.

URBANA, Ill., Dec. 20.—Coach Ruby's University of Illinois basketball team won over Washington University of St. Louis here last night, 36 to 20, in a rough but hard-fought game.

The "United Riders" organization, under investigation by Federal authorities in Louisville, Ky., was said to be only one of a number of similar concerns operating here, in New York, San Francisco, New Jersey, Cleveland, Detroit and elsewhere. Most of these operate through advertisements which offer to supply advance information on races for a daily or weekly fee, it was said.

Special to the Post-Dispatch.

COLUMBIA, Mo., Dec. 20.—In perfect physical condition after weeks of strenuous preparation, the University of Missouri football squad left Columbia at 1 o'clock this morning, bound for Los Angeles, where the Tigers will meet the University of Southern California on Christmas day.

The "United Riders" organization, under investigation by Federal authorities in Louisville, Ky., was said to be only one of a number of similar concerns operating here, in New York, San Francisco, New Jersey, Cleveland, Detroit and elsewhere. Most of these operate through advertisements which offer to supply advance information on races for a daily or weekly fee, it was said.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the way to Los Angeles will be Kansas City, where the team will get off the train again about midday morning, when a stopover of a half day at Williamsport, Pa., is scheduled, and where the team will hold its first workout of the year.

Twenty-one members of the squad, all of them "tether men" or "tetherballers," were making the trip, while athletic officials and team from several Missouri cities made the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

Missouri Eleven
Starts Long Trip
To Pacific CoastCoaches' Problem Is to Keep
Men Fit During Four Days' Train Journey.Special to the Post-Dispatch.
COLUMBIA, Mo., Dec. 20.—In perfect physical condition after two weeks of strenuous preparation, the University of Missouri football squad left Columbia at 1 o'clock this morning, bound for Los Angeles, where the Tigers will meet the University of Southern California on Christmas day.

Twenty-one members of the squad, all of them "letter men," are making the trip, while coaches, athletic officials, and loyal fans from several Missouri cities bring the total in the party to more than 50. The journey is being made in two chartered Pullman cars.

The first stop of the trip on the schedule was Kansas City and the team visits three times a day for meals. The Bengals will not be off the train again until next Monday morning, when a stopover of half a day at Williamsburg, Ariz., is scheduled, and where the team will hold its first workout of the trip.

Scheduled to arrive in Los Angeles early the morning of Dec. 22, there will be two afternoons for practice before the game.

Southern Route Followed.
As the Tigers are going west by a Southern route, the severe weather which has all but paralyzed transcontinental traffic is not expected to delay them materially at any rate not after today's journey through Southern Kansas.

After today the route follows through New Mexico and Arizona and California, and warmer weather can be expected.

Coach Henry of the Tigers, expressed himself as well satisfied with the condition of his team when the Tigers went aboard the train last night. The team had five injuries in the latter half of the Missouri season, and practically all of these had recovered before the Bengals met Kansas Thanksgiving day. Since that game brought no hurts of consequence, Henry's only problem was to bring his men up to a fighting edge after their week's rest following the Kansas game.

And that has not been difficult, for the men were enthusiastic about the trip West and with the conference title tucked away, were eager for new worlds to conquer.

But now Henry has a more serious and a more difficult task. He must transplant his eleven from the front door at Columbia to the warm soggy tail of Los Angeles, and through four days of grilling train ride, without losing the edge of condition which his team now possesses.

The Missouri team enjoyed beautiful fall weather through its practice sessions last week, but recent outdoor workouts have been impossible because of cold weather and sleet and snow this week, and the team's practice has been confined to signal ball in the livestock judging pavilion.

Outweighed by the Trojans, the Tigers are expected to put much of their faith in their forward pass offensive men when the two teams meet Christmas day, and the aerial attack has occupied the greater part of their attention during the two weeks of practice preliminary to the trip.

Quinn Stops Foster.

For the Associated Press.
WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.Fresh
Cigars
Kept Fresh
Air-Tight
Cans of
10, 25
and 50
All Are Branded

10c

CIGARETTES
SOMMET
CigarsBLENDED BY THE
MASTER BLENDER
Chas. J. Spietz

PART TWO.

MORRIS NAMES POWER
CONCERN'S 'UNDER CONTROL'
OF GENERAL ELECTRIC CO.Tells Senate That Independent Trying to
Lease Muscle Shoals Could Not Float
Securities Without Its Aid.By CHARLES G. ROSS,
Washington Correspondent
of the Post-Dispatch.
WASHINGTON, Dec. 20.—Reiting his charge that passage of the Underwood bill would throw the Muscle Shoals "into the lap of the electric water power trust," which he said was headed by the General Electric Co., Senator Norris (Rep.) of Nebraska, has read into the record a statement regarding the ownership of a long list of public utility corporations.

Norris paid special attention to the Alabama Power Co., which he has named by opponents of the Underwood bill as the corporation which would probably get control of the Muscle Shoals project if the bill should go through.

"Any independent company that undertook to start up now to lease the Muscle Shoals or to develop any water power," said Norris yesterday, "would find itself unable to do so." He added: "The fog, which was never had before, would have got our most intimate glimpses of Japanese village life," says Less-Arnold, writing of the trip over the Japanese island empire.

Norris first referred to his statement before the Senate on Wednesday that three of the directors of the Alabama Power Co. were likewise directors of subsidiary companies of the General Electric Co.

Two Methods of Control.

There are two well-known ways of controlling these various enterprises," he continued. "One is by stock ownership, either in whole or part, and the other is by interlocking directorates. It already appears that the interlocking directorates exists as between the General Electric Co. and the Alabama Power Co., its subsidiary. I now offer to the Senate the facts in relation to another means of control of this same Alabama Power Co. through stock ownership.

The common stock of the Alabama Power Company, 187,120 shares of no par value, is all owned by the Southeastern Power & Light Co. of Atlanta. A few years ago the stock at Columbus to the warm soggy tail of Los Angeles, and through four days of grilling train ride, without losing the edge of condition which his team now possesses.

The Missouri team enjoyed beautiful fall weather through its practice sessions last week, but recent outdoor workouts have been impossible because of cold weather and sleet and snow this week, and the team's practice has been confined to signal ball in the livestock judging pavilion.

Outweighed by the Trojans, the Tigers are expected to put much of their faith in their forward pass offensive men when the two teams meet Christmas day, and the aerial attack has occupied the greater part of their attention during the two weeks of practice preliminary to the trip.

Stock Ownership.

"I told the Senate I was having gathered some information about the stock ownership of various subsidiaries of the General Electric Co. I have a large part of that information in so far as stock ownership is concerned. I am not in possession of the information as to the interlocking directorates.

The General Electric owns 100 percent of the Cooper Hewitt Electric Co., manufacturers of electric lights used by manufacturers, motion picture producers, and photographic laboratories. It also owns 50 percent of the common and 50 percent of the preferred stock of the International General Electric Co., which handles the manufacturing, investment and selling divisions of the General Electric in many countries. It also owns 75 percent of the preferred and 62 percent of the Edison Electric Appliance Co. Inc., the largest manufacturer of household electrical heating appliances.

"All of the common stock of the Electric Securities Corporation is owned by the General Electric, which owns the mortgage bonds of railroads, electric railways, electric and power companies and its charter the power to issue the bonds of other similar companies, and there are very many subsidiaries of this company I do not have.

Names Companies.

The General Electric also owns 50 percent of the common stock of the Lake Insulator Corporation, a substantial interest in Electric Vacuum Cleaner Co., which in turn controls the Premier Electric Co. with 38 branches in principal cities of the United States and also the Premier Vacuum Co. Ltd., of Canada. It also owns the Radio Corporation of America, a substantial interest in Trumbull Electric Manufacturing Co., and the Hurley Motor Co. They followed reference to the same interests of the General Electric in Canada.

The entire stock of the Bond

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba, Dec. 20.—Gunner Joe Quinn of St. Paul knocked out Chuck Foster, also of St. Paul, in the third round of a scheduled 12-round bout here last night. They are middleweights.

For the Associated Press.

WINNIPEG, Manitoba

The Golden Bed

by WALLACE IRWIN

COPYRIGHT 1924

WALLACE IRWIN

EIGHTEENTH INSTALLMENT

UT when Admab had paid his lunch check and gone out for his hat he enjoyed an elation in the region of his local pride. He was glad that Mabel had done so well and shown the world a few tricks it didn't know. And he was glad that the European nobility had recognized the Peakes Soeb, he thought, that little queen holding the bunch of roses must be the very baby I saw christened the day I stood by the church with the candy basket

As he walked around the corner to take his Ford out of its parking place he was under the spell of a dream, unusual to the man of action that Admab had become.

CHAPTER 23.

He had been away from the store all morning, pursuing an enterprise of his own in the young, flourishing town which had sprung up across the wide river after the K. & G. bridge was built. The sight of his new store always affected Admab heavily. On a good corner—the Grand avenue shopping district was growing rapidly around it—the front glowed gloriously with the vermilion paint which he had caused to be mixed three times to suit his eye plenty of yellow in the front so that the folks would stop and stare at the big gold sign CANDY HOLTZ. To Admab that sight gave the aesthetic pleasure which an artist feels when at last he has found his master.

That day, as he stepped from his Ford and stood regarding the effect, his venturesome corner looked good to Admab Holtz. His nickel-plated electric candy-puller in the window was patiently, faithfully turning its skein of strawberry-colored taffy. A novelty in town, he had imported that candy-puller after having seen its display working on the boardwalk at Atlantic City. He had learned his lesson well.

"We've been advertisin' homeade," he said.

"Sure. We'll keep the taffy-puller in the window and two or three girls in the back, maskin' peppermints. A little later, maybe, I'll have the girls in the window, just to show how it's done. But the bulk of our goods can come from the Steam Works."

"The kind Ma used to make?"

"Practically. Only they'll look a little neater. And the Steam Works people have got to make 'em for Ma's receipt—exclusively for us."

"Look out," said Jo.

"I will," said Admab. "Did anybody ring up?"

"There was somebody—let me see Jo considered a moment. "You're right, Burgess called up and wanted to see you right away?"

"What about?"

"The Live Wires Club. I reckon, said there was goin' to be an important meetin' at four."

"Shucks!" said Admab. "I know what they're after. They've been pesterin' me about that for a month. Hank Burgess wants to make me gain."

He slept and breakfasted at his brother's house, but was seldom home for the later meals. The candy business is confining for the sugar-lover—like his less innocent relative, the whisky-lover—indulges his appetite, in hours of leisure. The red-front store was open Sundays, holidays and evenings. Admab retained his two-lunch wagons, doing a good all-night business in the Tenderloin. These gave him less trouble nowadays, because he had farmed them out on a percentage basis, but occasionally he made sudden midnight inspections to protect himself in any tendency to cheat in the price of fried eggs or hot dogs.

(To Be Continued Monday.)

NOTES ABOUT WOMEN

Women sculptors in the United States now number nearly 15,000.

There are now about 100 women lawyers at the Paris bar as against 50 in 1920.

The latest craze among Parisian women is that of wearing a tiny live marmoset upon the coat.

Women of Great Britain are claimed to have the best colored and finest quality of hair.

At the age of 12 years, Lena Pope, a product of the Kentucky mountains, is being hailed as a musical prodigy.

"Well," he drawed from behind the sheet, "I see your best girl's bobbed up again."

"Forget it," Admab invited, then by the way of a counter irritant.

"I've looked over that corner in Scuddererville and decided to take a lease."

"Better look out," said Jo, employing his formula. Then he threw aside his paper, wrinkled his queer little forehead and inquired, "See here, Ad, when's this goin' to stop?"

"Well, we've got this store and we're out fifteen hundred for improvements. And you're still hangin' onto them two old lunch-wagons out by the track."

"Hi, Charley!" whispered Admab to his thin-wristed clerk—customer had come in and was waiting to be served. "Well," he explained to Jo, "the lunch-wagons are paid for, ain't they? And we'll have that fifteen hundred off our checks by the tenth—money in the bank, too."

"Well, we ought to let well enough alone. What's the idea about Scuddererville?"

"Start another store like this one—red front, taffy-puller in the window. Candy Holtz sign over the door. That's the chain system we're goin' to work on—maybe all

Today's Winning Puzzle

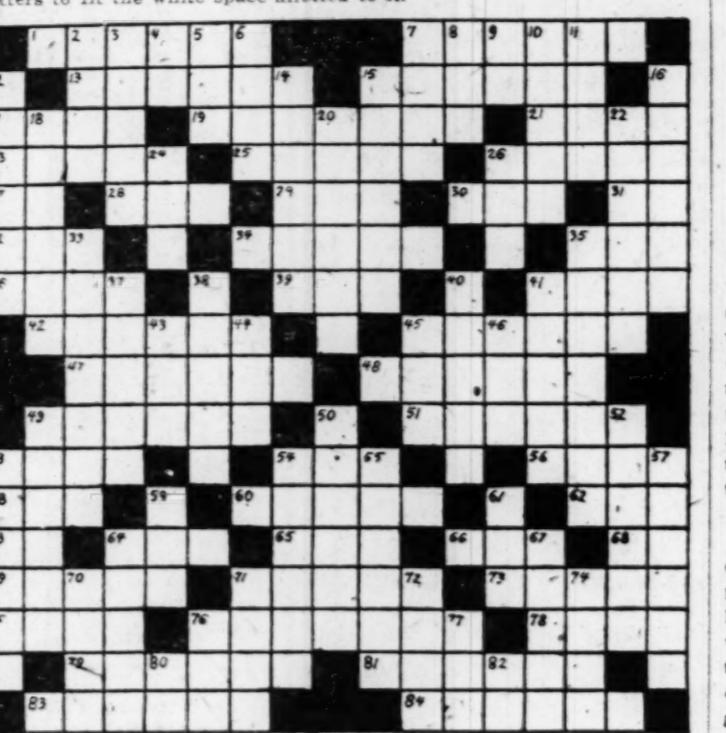
The puzzle printed below wins the prize of \$10 offered daily by the Post-Dispatch for the most original cross-word enigma submitted to this paper. It was contributed by G. A. Mayer, 4003 Hartford street, St. Louis. The solution of this puzzle will be printed Monday.

Each number in the puzzle indicates the position of the first letter of a word.

Each word reads from left to right (horizontal) or downward (vertical), according to position. Lettered in correctly, words that cross will interlock.

Each number in the white squares also refers to a definition in the accompanying table.

Each definition suggests a word possessing the exact number of letters to fit the white space allotted to it.



HORIZONTAL

1. Animals character- 31. Note of scales. 56. South American os-
istic of any par- 32. Pennsylvania His- trich.
ticular region. torical Society. 58. Ancient . . .
7. Oxide of lithium. 33. (TAN)
13. Sufficient. 34. Cause to exist. 60. On every side.
15. A circuitous way. 35. Two skeins of silk. 62. Devour.
17. Odic force of elec- 36. Prefix meaning triply. 64. Completely
tricity. three times. 65. Raised border.
19. Variety of china 41. Independent 66. St. Louis Postmas-
(pl.). 42. Three geographical ter.
21. Government system miles. 68. Therefore.
of conveying let- 43. Man's name. 69. A coral island.
ters. 44. Funeral oration. 71. More thin.
23. Restore. 45. Pertaining to a 72. Fissure.
25. Arrange in folds. 46. Bride. 73. An evil spirit.
26. Cleanse repeatedly. 47. Pertaining to a 74. Peevish.
27. By, near. 48. Woman's name. 75. Not true.
28. Light. 49. Something which affords great 76. Curd matter in pleasure (pl.).
29. Top of a hill (prov. Eng.). 50. A salt. 78. Milk.
30. Steel pointed min- 51. Part of a salt. 79. Given way.
ing tool. 52. Canadian province 82. A kind of binding.
53. Part of a salt. 83. A kind of binding.
54. Canadian province 84. See sickness.
(abbr.).

VERTICAL

2. An age. 12. Published. 49. To retard.
3. Less than. 24. Enmity. 50. Consecrate.
4. A word of refusal. 26. Cold and damp. 52. To mature.
5. Name of a diving 28. Insinuated a con- 53. Turning on an axis.
bird. tempt by a covet expression.
6. An exclamation. 30. St. Louis official.
7. Poor (obs.). 31. Title of the suc- 54. Not proper.
8. Possessive pronoun. 32. Censors to Mo- 55. To swell.
9. A proposition. 33. Insinuated a covet- 56. Alderman (abbr.).
10. Damp. 34. Wrinkles. 57. Care for.
11. Official name for 35. Hammock. 58. Place of worship.
Persia. 36. Wrinkles. 59. Alderman (abbr.).
12. Angel of the highh- 37. Title of the suc- 60. Not proper.
est order. 38. One of a mendicant 61. Alderman (abbr.).
14. A stinging insect. 39. Warning of danger. 62. Formally.
15. A water holder. 40. Of a mendicant 63. To melt partially.
16. Liquid part of fat. 44. An elongated Ash. 64. Order of monks.
18. A fatal gas. 45. Skill. 71. Downfall.
20. Camp for defense 46. First Northern Em- 74. Man's name.
(Boer). 75. A gratuity.
76. A meadow.
80. Senior (abbr.).
82. Man's name (abbr.).

MENTOR.

STEADY head is a splendid guide in laughter or in tears, to human nature far and wide, unchanging through the years. Of all that I long to do, small, friendly deeds each day, old Mentor tells me: "Not for you," and urges: "Come away." Wise men have, in sooth, told me a steady head is best, and since the bygone days of yore, I've proved the fact by test. But, oh! my foolish heart is blind and tempts me day by day—"Be generous," it says: "End to all along your way. When the heart is cold, the head is cold, then heart and I to say if I shall hear my love and gold or give it all away? Mistakes I make are manifold, and yet I am resigned; unheeded, Mentor says: "Be bold!" for heart still cries: "Be kind!"

PRGRAM
S HALLED
NIE TEK BED
HARRY BY HAWES
RODGE FER
BISTER FAIRBY
B SITER FAIRBY
THE ACHE RARE VIA
HENRY I V RAINS
WED ECCE HICE MUY
ANT HASHIK Y SE
Y ARBELA STILES D
INDRE UCTY RUNICK
SMOKE L KORAN
PAY POE NIL
D OUTRE D
ORPHANS

THE RHYMING OPTIMIST
By Aline Michaelis

Two major steel trains, over a splendid steel bridge, and conducted by courteous trainmen.

"MIDNIGHT LIMITED"

The popular night train.

The fast 600-mile-a-day

noon train, leaves Union Station

11:40 P.M., Delmar Ave.

11:55 P.M. The latest

models of Pullman

Sleeping Cars, with all-night club ser-

vice and breakfast in the

morning. Reclining chair cars.

Other good cars, 8:30 P.M.

Tickets at 325 N. Broadway

Also at 325 N. Broadway, 11:30 P.M.

Phone Main 6852.

Wadsh

Two major steel trains, over a splendid steel bridge, and conducted by courteous trainmen.

"MIDNIGHT LIMITED"

The popular night train.

The fast 600-mile-a-day

noon train, leaves Union Station

11:40 P.M., Delmar Ave.

11:55 P.M. The latest

models of Pullman

Sleeping Cars, with all-night club ser-

vice and breakfast in the

morning. Reclining chair cars.

Other good cars, 8:30 P.M.

Tickets at 325 N. Broadway

Also at 325 N. Broadway, 11:30 P.M.

Phone Main 6852.

Wadsh

Two major steel trains, over a splendid steel bridge, and conducted by courteous trainmen.

"MIDNIGHT LIMITED"

The popular night train.

The fast 600-mile-a-day

noon train, leaves Union Station

11:40 P.M., Delmar Ave.

11:55 P.M. The latest

models of Pullman

Sleeping Cars, with all-night club ser-

vice and breakfast in the

morning. Reclining chair cars.

Other good cars, 8:30 P.M.

Tickets at 325 N. Broadway

Also at 325 N. Broadway, 11:30 P.M.

Phone Main 6852.

Wadsh

Two major steel trains, over a splendid steel bridge, and conducted by courteous trainmen.

"MIDNIGHT LIMITED"

The popular night train.

The fast 600-mile-a-day

noon train, leaves Union Station

11:40 P.M., Delmar Ave.

11:55 P.M. The latest

models of Pullman

Sleeping Cars, with all-night club ser-

vice and breakfast in the

morning. Reclining chair cars.

Other good cars, 8:30 P.M.

Tickets at 325 N. Broadway

Also at 325 N. Broadway, 11:30 P.M.

Phone Main 6852.

Wadsh

Two major steel trains, over a splendid steel bridge, and conducted by courteous trainmen.

"MIDNIGHT LIMITED"

The popular night train.

The fast 600-mile-a-day

noon train, leaves Union Station

11:40 P.M., Delmar Ave.

11:55 P.M. The latest

models of Pullman

Sleeping Cars, with all-night club ser-

vice and breakfast in the

morning. Reclining chair cars.

Other good cars, 8:30 P.M.

DOUBLEAGE FOR WOMEN

ST. LOUIS POST-DISPATCH, DECEMBER 20, 1924.

DRAWN BY
POPINI



a lovely figure—the lines of a frock—the others declare they find in hands' to foretell the future—all these two engrave on the ice with their flashing eyes are interesting, but they're as nothing compared with "the love that come from worry when one WILL weep—lines that extend into marriage lines" when TWO are made ONE.

POPINI.

HOLD POSITIONS



Where Water Knows It, Is Unknown

A NEW IDEA IN ATHLETICS

By William A. McKeever

MAKE it known to the teacher that you expect your child's body to be trained as well as his mind, and so fall in line with a new tendency which promises to become universal.

Mass training in athletics in the junior high school, rather than a fairy ring of coral reefs, abounds all over the island. Co-

urative island palms, wild oranges and the like are to be found on the forgotten, and where mountain slopes are thin, beautiful live a happy and carefree land.

Game is also plentiful in the island mountains and the streams in the area. It belongs to the men, teeming with all sorts and

group of Society Islands varieties of fish, from sharks to mafus from Tahiti. The monkeys.

Beautiful Moorea is still the simple and primitive natives and unshilled by the white Moorea enjoy what we would

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

and unshilled by the white

and being more colorful still "the life of Riley." They build

primitive in civilization, their own houses, make their own

quaintly much more houses from the leaves of the

than the Tahitian Islands and whenever they feel hun-

The natives speak no language but the wild chick.

Such white men's diseases as

due to the fact that the

malipox, malaria, grip and measles

ST. LOUIS POST-DISPATCH

RADIO SECTION

WEEKLY BROADCASTING PROGRAMS OF PRINCIPAL CITIES

Section of the ST. LOUIS POST - DISPATCH

SATURDAY, DECEMBER 20, 1924.

Importance of Low Loss Equipment in Radio Set

By R. B. LEFFERTS, E. E.,
Research Engineer, General Instrument
Corporation.

IT IS unfortunate for radio experimenters, receiver manufacturers, and design engineers, that electric fluid remains the mysterious, subtle and "invisible fluid" that Benjamin Franklin wrote about in the eighteenth century. If this were not so, those concerned with the construction of radio receivers might go about their work with this assurance of a plumber who has little trouble in discovering the leaks, losses and inefficiencies resulting from his craftsmanship. The most unobserving person can find a leak in a water pipe, but the radio set builder can have losses in his various devices as big as all outdoors without being conscious of their presence. Unless he is equipped with the most exacting instruments that science can afford, at the present time, large quantities of the energy that he gathers from his antenna system will be dissipated under his very nose.

Like all other arts, the radio art has rolled along for several years before engineers began to calculate the severe damage to efficiency that results from "a little bit here and a little bit there." The same was true with the automobile. As startling as it may seem, the efficiency of a single cylinder today is three times greater than the efficiency of the cylinder of 20 years ago. This came not through blind groping, but through the checking up of the little sources of loss, which in the aggregate, subtract a heavy percentage from the total efficiency.

Fortunately, we have come to the "checking-up" day in radio engineering. Having rounded off the rougher corners, we find our radio engineering bending over the little test instruments that readily disclose current losses so small that they are expressed with a figure including a decimal point and a dozen ciphers. The best receiving set in the world gathers in but an insignificant whiff of electrical energy and without any desire to excite the reader of this article, we might say that the best receiving set that can be assembled at this time by the most capable radio fan will dissipate half of the received energy before it reaches the reproducing apparatus. Is there any wonder that conscientious engineers and manufacturers of radio equipment are striving to overcome these destructive losses? Is there any wonder that "low-loss" is becoming the watchword of every ethical producer of radio equipment? As a matter of fact, radio progress must come not alone through the design of new devices, but through ridding our present instruments of their weak electrical points.

It is to be regretted that the average radio fan cannot fully appreciate the meaning and full importance of energy dissipation in the equipment he chooses for his use. This is so because the effect produced cannot appeal to any of the five human senses. A man buying a woolen suit feels it to determine whether or not it is wool. Millady chooses her evening slippers because they have pretty buckles, but the radio buyer takes home with him devices which, like pails,

may be bought to hold liquids, but really turn out to be sieves, so freely do they permit the passage of the mysterious fluid that he plans to catch.

Let us indulge in speculation for a moment. What if some great scientist should invent a device that would make electric current as visible as water. Better yet, what would happen if electric currents could be changed to water? Many of our radio sets would have to be connected to the drain pipes. We would see little drops oozing out in a multitude of places and the large leaks would be... Hitting the nail on the head! Under these conditions, what is now a perfectly respectable radio receiver may turn out to be a beautiful little fountain suitable for the garden or the greenhouse. It certainly could not be tuned without a raincoat and an umbrella. In

that the most destructive losses take place in the tuning instruments like coils and condensers, the physical embodiments of inductance and capacity. As a matter of fact, they occur in every inch of the circuit between the aerial and the reproducing apparatus.

However, it is logical for our engineers to attack and remedy the most troublesome sources first. That is the reason for the great stress that is being put upon condensers and coils.

Let us "get down to brass tacks." If we may borrow the favorite expression of the radio engineer, we find that we consider that we have a condenser in a circuit which, by very careful measurement, shows a high-frequency resistance of .03 ohm. Say for argument's sake that this condenser is replaced with a condenser giving a reading of five ohms.

High losses are not only due to faulty design and careless assembly, but to the use of inferior materials. It is also to be noted that engineers are rapidly losing their respect for some of the insulating materials, that up until a few months ago, were considered to be the standard.

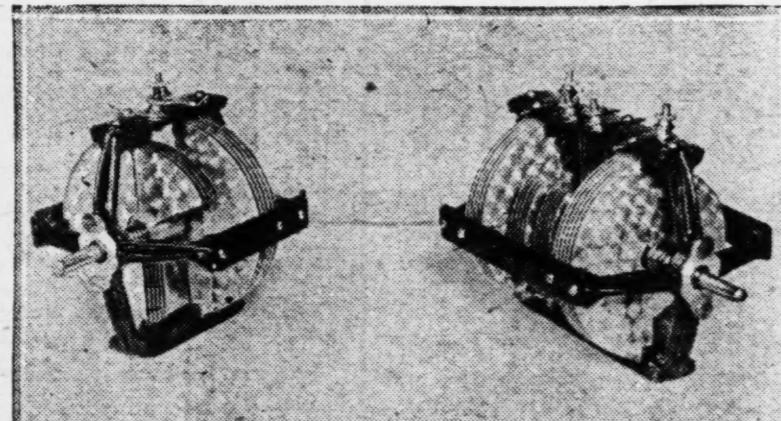
New and highly specialized methods of measurement have shown that appalling losses, through several causes, take place in substances that have long since been regarded as high perfect. These findings have set our technicians to work searching for new materials that will successfully hold up under the peculiar physical conditions imposed by the passage of high-frequency current.

The recent radio conference in Washington has shown a tendency toward the use of higher frequencies and lower wave lengths. The amateurs were glad to accept allocations as low as five meters for experimental purposes. In fact, the new day of low-wave radio is just ahead and before another two years pass we may find some of our broadcasters working on wave lengths as low as 100 or even 75 meters. That this will have a profound effect on the development and design of radio equipment is evident.

Engineers have long known that the higher the frequency the greater the tendency toward losses in radio instruments. This is equivalent to saying that the new age of low-wave transmission and reception is impossible of achievement without the introduction of low-loss radio devices. The higher-frequency current offers problems that cannot be met by the present radio equipment. Take for example, the matter of protection insulating a terminal used on a 60-cycle circuit at the ordinary pressure of 110 volts. A bootstrap would effectively provide insulation and protection at this voltage and at this frequency would be practically useless if the frequency should be increased to a point where it would approach the frequencies employed in radio transmission. During the recent short-wave experiments conducted by the Westinghouse Company at East Pittsburgh the compounds used to cover the tops of the high-voltage condensers became semi-fluid and had to be replaced with material of greater electrical strength. Yet, these same condensers were used on lower radio frequencies without trouble. These two examples should help radio fans appreciate the importance of preventing electrical losses at the higher frequencies.

It should also be kept in mind that losses for the small currents employed in receivers can be just as heavy proportionately as those of the high-voltage circuits used in the transmitting equipment. Furthermore, losses in a receiver are most serious to the fan, since they cannot be made up by amplification beyond a certain point without the introduction of distortion. As little amplification as necessary for respectable audibility should be used in receivers. Low-loss equipment that will deliver a maximum of energy to the tubes is the only practical solution to the problem.

NEW CONDENSERS MAKE ONE-DIAL CONTROL POSSIBLE



THESE instruments are of the Bruno type. At the left is the 22-plate, three-in-one condenser with variable capacities of .0005, .00025, and .000125. At right the 44-plate, eight-in-one condenser with capacities of .001, .0005, .00025, .0002, .00018 and .000125. By using a series parallel switch any capacity may be obtained, and it is also possible to connect the condensers to control several stages of radio frequency amplification.

extreme cases, even a bathing suit might be required for sustained operation.

As ridiculous as the above may seem, it is pretty fair picture of what happens in most radio sets today. The electrical equivalent of quarts and quarts of liquid leaks away while great layers of the radio wonder why KDKA or KPO are so elusive. To put it in a business way, "the overhead" in operating a radio set is tremendous.

It is the easiest thing in the world to eat up the profit in watts before the net income reaches its final depository in the case of the phones or the loud speaker. The radio fan may ask: "In what apparatus do most of the losses you speak of occur?" Engineers claim that losses take place in every device employed in a radio receiver. However, it is conceded

that the vacuum tube, in its present

What Engineers Are Doing in Radio Field

By DR. J. H. DELLINGER,
Chief of Radio Laboratory, Bureau of
Standards.

A SURVEY of progress in radio reveals that this is the era of radio engineering. This statement does not refer to the importance or extent of radio engineering, but to the type of development now going on in radio as compared with that of past years. Relatively speaking, radio has had a crude heretofore, whereas the progress that is being made is not merely empirical but is more or less characterized by actual engineering development.

We now have not so much the invention of devices as the perfection of them. This statement is very general. There have, of course, been triumphs of engineering in the past history

of radio, and on the other hand the process of "cut and try" will continue to be used in the future. Nevertheless, radio has now made all along the line of radio engineering. Thus, in the development of new and improved radio communication methods or systems, we have marked extension of the available frequency range, great improvements in directive radio transmission, advances in the perfection of selective radio systems, and engineering development of line-

radio or carrier-current communication. Among radio devices and applications of radio there is outstanding progress in radio beaconing, the radio for aircraft navigation, in direction finders, and in radio vision. In the field of research and study of the problems of radio, we have important progress now going on in radio measurements, in standardization of apparatus, in the study and mitigation of the vagaries of wave propagation and atmospheric disturbances, and in the wide reaches of the interference problem.

The most conspicuous recent development in radio engineering is the conquest of the new domain of ultra-radio frequencies above 20,000 kilocycles (below 150 megacycles) was hardly suspected, and certainly not appreciated, a few years ago. One curious reason for the subordination of this range of frequencies has been the erroneous use of wave length in meters as an expression of radio frequencies. Radio engineering actually deals with currents which have a certain frequency. The wave length of the wave as it travels along in space can be calculated from the frequency, but it is a derived-and an artificial concept.

Frequencies up to 20,000 kilocycles have come into extensive use. Actual radio services are being conducted in this region by broadcasters, transoceanic

(Continued on Page 6.)

RADIO PROGRAMS OF PRINCIPAL STATIONS

CFCA—TORONTO,
CANADA. (400 METERS)
(Eastern Time.)

SUNDAY, DECEMBER 21. 7:00 p. m.—Service of Eaton Memorial Church.

WEDNESDAY, DECEMBER 24. 9:00 p. m.—Christmas carols broadcast in front of the City-Hall, Toronto, under the auspices of the Downtown branch of the Kiwanis Club.

10:30 p. m.—CNRT, the Canadian National Railways special Christmas eve broadcast from CFCA's studio.

CHNC—TORONTO, CAN.
(350 METERS)
(Eastern Time.)

MONDAY, DECEMBER 22. 7:30 p. m.—A studio party by CHNC will be attended by a large number of CHNC's regular family of artists, including Alberto Guerrero, pianist; Vigo Kihl, pianist; Slomee Joyce, pianist; Ferdinand Fillion, violinist; Luigi von Kunits, violinist; Frank Blackford, violinist; Albert Aylward, violinist; Earl Melsner, violinist; Lionel Hilton, cellist; Lois Watson, contralto; Vera McLean, contralto; Madame Ferdinand Fillion, contralto; Miss Agnes Adele, soprano; Elsie White, soprano; Genevieve Schreiner, soprano; Violet Murray, contralto; Paramount male quartet; Gerrard Kelly, first tenor; Fred Rogers, second tenor; Dwight Wilson, baritone; E. Foster, bass; Charles Leslie, baritone.

TUESDAY, DECEMBER 23. 7:30 p. m.—Rex Battle and his Mount Royal Hotel Ensemble.

8:30 p. m.—Studio entertainment.

10:30 p. m.—Joseph C. Smith and his Mount Royal Hotel Dance Orchestra.

SATURDAY, DECEMBER 27. 7:30 p. m.—Rex Battle and his Mount Royal Hotel Ensemble.

8:30 p. m.—Frontenac Breweries Studio concert.

CKAC—MONTREAL, CAN.
(425 METERS)
(Eastern Time.)

MONDAY, DECEMBER 22. 7:30 p. m.—"Economic Importance of Studies in Heredity," by Prof. H. D. Fleb.

10:30 p. m.—Brunswick hour of music. Artists broadcasting direct from New York recording studio, and of the Brunswick Phonograph Co.

11 p. m.—Midnight program.

WEDNESDAY, DEC. 24. 8:30 p. m.—Reading from Charles Dickens' "Christmas Carol," by Prof. Wayland M. Parrish.

11 p. m.—Christmas program from the Mifflin Avenue Methodist Episcopal Church.

SUNDAY, DEC. 25. 8:30 p. m.—"Evening Herald program.

9:00 p. m.—Program from Examiner Studio.

10:00 p. m.—"Huxley's Lake Arrowhead Orchestra.

MONDAY, DECEMBER 26. 8:00 p. m.—"Evening Herald program.

9:00 p. m.—"Vocal and instrumental recital.

10:00 p. m.—Program from Examiner Studio.

10:00 p. m.—"Packard Radio Club.

TUESDAY, DECEMBER 27. 8:45 p. m.—"Aeolian organ recital.

9:00 p. m.—"Program from Examiner Studio.

10:00 p. m.—"Packard ballad hour.

WEDNESDAY, DECEMBER 28. 8:30 p. m.—"Concert by the Hotel Schley Meyer Male Quartet.

7 p. m.—"Adagio Male Quartet.

8:30 p. m.—"Concert by Wellington Choral Club.

SATURDAY, DEC. 21. 8:00 p. m.—"Program from Evening Herald Studio.

8:30 p. m.—"Program from Evening Herald Studio.

8:45 p. m.—"Program from Examiner Studio.

8:45 p. m.—"Don's Melody Makers (dance orchestra).

THURSDAY, DECEMBER 23. 8:45 p. m.—"Program from Examiner Studio.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.

8:45 p. m.—"Concert by the KDKA Little Symphony Orchestra.</div

STATIONS

Program of chimes from Mt. Avenue Methodist Episcopal.

THURSDAY, DEC. 25.

Concert by the KDKA Little Symphony Orchestra.

FRIDAY, DEC. 26.

Concert by the Hotel Schenckeyer Davis Orchestra.

Adams Male Quartet.

Concert by the Westinghouse Club.

SATURDAY, DEC. 27.

Concert by the Westinghouse Band.

Concert by the Westinghouse assisted by Helen Rowe, con-

LOS ANGELES, CAL. (469 METERS) (Pacific Time)

SUNDAY, DECEMBER 21.

Metropolitan Theater pro-

One-act plays.

Program from Examiner

Huxley's Lake Arrowhead

MONDAY, DECEMBER 22.

Evening Herald program,

Walter M. Murphy Motors

program.

NTS

St. Louis Post-Dispatch Radio Broadcasting Station

KSD

549.1 METERS

SUNDAY, DECEMBER 21.

Special musical service, fea-

turing traditional carols, from the First Methodist Episcopal Church, Oakland, Cal.

MONDAY, DECEMBER 22.

Educational program, Music by Arion Trio. Agriculture course, "Agricultural Superstition," Prof. J. W. Nelson, University of California.

10:00 p. m. to 1:00 a. m.—Dance music program by Henry Halstead's Orchestra and soloists, Hotel St. Francis.

TUESDAY, DECEMBER 23.

Official Christmas concert by choir of First Presbyterian Church, Rev. M. Jenkins, director; Mrs. Sam Goldfarb, soprano; Mrs. D. Gorham, contralto; Ned Buchanan, tenor; Norman R. Bass.

Saturday—8 P. M.

Official Christmas concert by choir of First Presbyterian Church, Rev. M. Jenkins, director; Mrs. Sam Goldfarb, soprano; Mrs. D. Gorham, contralto; Ned Buchanan, tenor; Norman R. Bass.

Program

PART I
"Pastor Symphonies" (Missa)....Handel
Mr. Jenkins.

"O Little Town of Bethlehem"....Reuter
Mr. Jenkins.

"Silent Night"....Holy
Night....Gloria....Gloria
(This carol was first sung 100
years ago.)

Mass solo, "Under the Stars"....Brown

Mr. Dutton.

"O, Have Ye Heard the
Good News?"....Brown

(Composed in XVI Century)
Arranged by Clarence Dickinson)

INTERMISSION

PART II
CANTATA

Story of Bethlehem....West

WCK 273 METERS

SUNDAY, DECEMBER 21.

10:00 p. m.—Vocal selection, A. M. Miller, Elmer Mc-

Donald.

10:00 p. m.—Children's program.

10:00 p. m.—Program arranged by May Johnson.

CO (417) Minn.-St. Paul.

program.

HG (316) Long Island.

program, Far-West Listener.

Claudia; two hours.

LBH (370) Chicago. Steel guitar orchestra; one hour.

AA (476) Dallas. Adolphus

Orchestra; one hour.

MM (309) Cincinnati. Hotel

program.

11:15 P. M.

AW (526) Omaha. Wow!

11:30 P. M.

St. Louis. Varsity

orchestra.

EN (360) New York. Rose

Academy music.

11:45 P. M.

KAF (411) Kansas City. Mo.

hawks; one and one-quarter

12:00 MIDNIGHT.

W (595) Los Angeles. Bur-

t orchestra; one hour.

PT (469) Los Angeles. Pack-

Club; one hour.

WW (536) Chicago. "Congress

Music"; one hour.

KB (284) Milford, Kan. Early

Funnakers.

SO (312) Oakland. St. Fran-

orchestra.

SW (492) Portland. News

Metropolitan orchestra; two hours.

CAL (360) Northfield. Minn.

night revue.

RAI (309) Cincinnati. Midnight

trainers, Toadstool Orchestra.

TO BE BROADCAST THIS COMING WEEK

10:00 p. m.—Program from Examiner Studio.

TUESDAY, DECEMBER 23.

10:45 p. m.—Aeolian organ recital.

10:45 p. m.—Program from Examiner Studio.

10:45 p. m.—Packard ballad hour.

10:45 p. m.—Children's Christmas eve

10:45 p. m.—Program from Evening Herald Studio.

10:45 p. m.—Program from Examiner Studio.

10:45 p. m.—Don's Melody Makers (dance orchestra).

10:45 p. m.—Christmas play.

10:45 p. m.—Instrumental trio.

10:45 p. m.—Song recital.

10:45 p. m.—Program from Examiner Studio.

10:45 p. m.—Chorus and organ recital.

10:45 p. m.—Aeolian organ recital.

10:45 p. m.—Evening Herald program.

10:45 p. m.—Program from Examiner Studio.

10:45 p. m.—Packard Radio Club.

KGO—OAKLAND, CAL. (312 METERS) (Pacific Time)

SUNDAY, DECEMBER 21.

Special musical service, fea-

turing traditional carols, from the First Methodist Episcopal Church, Oakland, Cal.

MONDAY, DECEMBER 22.

Educational program, Music by Arion Trio. Agriculture course,

"Agricultural Superstition," Prof. J. W. Nelson, University of California.

10:00 p. m. to 1:00 a. m.—Dance music program by Henry Halstead's Orchestra and soloists, Hotel St. Francis.

TUESDAY, DECEMBER 23.

10:00 p. m.—The Cricket on the

Heath," a drama in three acts, by Charles Dickens, presented by the KGO Players. Music by the Arion

10:00 p. m. to 1:00 a. m.—Dance music program by Henry Halstead's Orchestra and soloists, Hotel St. Francis.

THURSDAY, DECEMBER 25.

10:00 p. m.—"The Cricket on the

Heath," a drama in three acts, by Charles Dickens, presented by the KGO Players. Music by the Arion

10:00 p. m. to 1:00 a. m.—Dance music program by Henry Halstead's Orchestra and soloists, Hotel St. Francis.

SATURDAY, DECEMBER 27.

10:00 p. m.—"The Cricket on the

Heath," a drama in three acts, by Charles Dickens, presented by the KGO Players. Music by the Arion

10:00 p. m. to 1:00 a. m.—Dance music program by Henry Halstead's Orchestra and soloists, Hotel St. Francis.

WCK 273 METERS

SUNDAY, DECEMBER 21.

Special musical service, fea-

turing traditional carols, from the First Methodist Episcopal Church, Oakland, Cal.

MONDAY, DECEMBER 22.

Educational program, Music by Arion Trio. Agriculture course,

"Agricultural Superstition," Prof. J. W. Nelson, University of California.

10:00 p. m. to 1:00 a. m.—Dance music program by Henry Halstead's Orchestra and soloists, Hotel St. Francis.

TUESDAY, DECEMBER 23.

10:00 p. m.—The Cricket on the

Heath," a drama in three acts, by Charles Dickens, presented by the KGO Players. Music by the Arion

10:00 p. m. to 1:00 a. m.—Dance music program by Henry Halstead's Orchestra and soloists, Hotel St. Francis.

THURSDAY, DECEMBER 25.

10:00 p. m.—The Cricket on the

Heath," a drama in three acts, by Charles Dickens, presented by the KGO Players. Music by the Arion

10:00 p. m. to 1:00 a. m.—Dance music program by Henry Halstead's Orchestra and soloists, Hotel St. Francis.

WCK 273 METERS

SUNDAY, DECEMBER 21.

Special musical service, fea-

turing traditional carols, from the First Methodist Episcopal Church, Oakland, Cal.

MONDAY, DECEMBER 22.

Educational program, Music by Arion Trio. Agriculture course,

"Agricultural Superstition," Prof. J. W. Nelson, University of California.

10:00 p. m. to 1:00 a. m.—Dance music program by Henry Halstead's Orchestra and soloists, Hotel St. Francis.

TUESDAY, DECEMBER 23.

10:00 p. m.—The Cricket on the

Heath," a drama in three acts, by Charles Dickens, presented by the KGO Players. Music by the Arion

10:00 p. m. to 1:00 a. m.—Dance music program by Henry Halstead's Orchestra and soloists, Hotel St. Francis.

WCK 273 METERS

SUNDAY, DECEMBER 21.

Special musical service, fea-

turing traditional carols, from the First Methodist Episcopal Church, Oakland, Cal.

MONDAY, DECEMBER 22.

Educational program, Music by Arion Trio. Agriculture course,

"Agricultural Superstition," Prof. J. W. Nelson, University of California.

10:00 p. m. to 1:00 a. m.—Dance music program by Henry Halstead's Orchestra and soloists, Hotel St. Francis.

TUESDAY, DECEMBER 23.

ARTISTS TO BE HEARD ON KSD PROGRAMS NEXT WEEK



Features on KSD Programs Next Week

Marion, O.
Just a word of thanks to KSD. Have listened in many times. Coming in good in spite of heavy static.

OLIVE L. YOUNG.

Anchorage, N. D.
I enjoyed the program given by the Exchange Club very much and hope to hear them again.

CLIFFORD GLOTZBACH.

Plattsburgh, N. Y.
Program coming in fine with loud speaker, volume and clear.

E. J. DUSTIN.

Wells, Nev.
Your program came in fine this evening. Many thanks for same.

W. H. SUPTZ.

Ann Arbor, Mich.
On Dec. 5 we heard your station broadcasting from the Grand Central Theater a soft shoe dance. Orchestral selections fine.

MR. AND MRS. R. D. SWISHER.

Waterville, Me.
Have heard you several times, but Saturday evening's program came in best of all. Enjoyed chorus singing "A Long Long Trail."

R. G. WARE.

Des Moines, Ia.
The greatest pleasure I have enjoyed for some time came to me very clear over my "Radiola" about two weeks ago, when I listened to your wonderful Symphony Orchestra one evening for two hours. Like a wheel of fortune, it delighted me for four days of such treats, but now that I can bring the outside world to me I anxiously watch for the choice programs such as I hear from your station, but there are but fea like your splendid St. Louis Symphony Orchestra.

MRS. N. B. FRANCE.

White Hall, Ill.
This is our periodical report of reception of almost all programs from KSD, and you hold attention over all others, perhaps because of your neighborly location to some extent.

R. B. PEARCE.

St. Louis.
Dinner music by Rader's Orchestra at M. A. enjoyed. Special mention to "Selection From Faust," which was enjoyed very much.

MATTHEW A. RIEMANN.

Hamilton, Ont.
Your concerts are all good.

H. M. SMITH.

Collingwood, Ont.
I enjoyed your Saturday evening program immensely. You came in great. Hope you continue.

EUGENE HERRINGTON.

Lyon Brook, Nova Scotia.
Enjoyed a number of vocal numbers from your station. Among the numbers

times. Most of the radio fans here turn out all other stations in order to turn on KSD, for we are always certain to get the best in classic music, which after all, is the best to broadcast. Your theater programs are excellent and your station popular reception always good. Would that we had more broadcasts of your caliber. Thanking you in behalf of all radio fans in our neighborhood who enjoy your programs.

ESTHER SCHIVER

Philadelphia, Pa.
I thankfully continue to tune in your interesting programs nightly. You are to be congratulated from every angle. May your power never grow less.

R. A. CULLEN

Oak Lawn, Ill.
Heard Mrs. Lora Miller Burke playing piano solo. Reception fine.

JOHN L. SPERL

Seattle, Wash.
Please tell the quartet we enjoyed their renditions very much, also the rest of the program.

F. FARRELL

Wilkes-Barre, Pa.
Enjoyed the quartet and other bands very much. Very distinct and clear. Best regards. M. W. McCARTY

Hamilton, Bermuda Islands

I often listen in and enjoy your fine programs and get you quite often though so many hundreds of miles away from you in mid-Atlantic.

WALTER E. SPURLINE

Quenell, R. C.
We heard last night your broadcast very clearly on loud speaker. "We Want to Be Happy," from opera "We Want Nannette," also "One Stolen Kiss" and "The Stolen Kiss" from II Trovatore. We are about 450 miles directly north of St. Louis and as I am quite an amateur, I thought I was doing fairly well. We enjoyed the concert very much.

MRS. W. E. THORNE

Providence, R. I.
Enjoyed your program Dec. 18 much. Reception was excellent.

F. H. FRANKLIN

Marion, Ohio.
We received your program last night. Special thanks to Rainbow Girls.

MR. AND MRS. S. E. BOLAND

Cleveland, Ohio.
Received your concerts very good and loud and enjoy the music and show very much. Wishing you a Merry Christmas and Happy New Year.

FRED BURSTEIN

Blair, Sandy, Mead.
Tuned in on KSD last night just in time to hear the last two numbers of the program by the Exchange Club. Many thanks to the Post-Dinner Club and the artists.

JOHN B. GENEER

Mount, Mead.
Always your friend. I think KSD is best on the air, as the quality of your programs speaks for itself.

HERBERT C. STANKE

Holocoma, Minn.
I was an ethereal guest at your guest tonight at the City Club. The delicacies "lay mighty light on my Mick," but the verbal sentiments expressed by the speakers lighted a fire which had almost been extinguished. That is the KSD spirit. Thank you.

W. W. WHITAKER

RADIO PRO

the New England Conservatory of Music, under the auspices of the Commonwealth of Massachusetts, Department of Education, Boston.

SATURDAY, DEC. 27.

6:30 p. m.—Instrumental concert by Cupley Plaza Orchestra.
7:30 p. m.—After-dinner concert by Hotel Kimball Trio.
9:00 p. m.—Program by Leon Weltman and assisting soloists from Weltman Conservatory of Music.
9:30 p. m.—Concert by G. F. Helm, trumpeter.

WCAC—PITTSBURG, PA.
(462 METERS)

(Eastern Time.)

SUNDAY, DECEMBER 21.

4:00 p. m.—Piano recital by Prof. Otto Kalitz.

6:30 p. m.—Dinner concert transmitted from William Penn Hotel.

MONDAY, DECEMBER 22.

6:30 p. m.—Dinner concert transmitted from William Penn Hotel.

8:30 p. m.—Concert by artist-pupils from the studios of Mme. Lelli Wilson-Smith.

10:30 p. m.—Flight of The Mythical Drigible.

TUESDAY, DECEMBER 23.

6:30 p. m.—Dinner concert transmitted from William Penn Hotel.

8:30 p. m.—Concert.

9:00 p. m.—Concert by the National Carbon Co.'s Eveready Entertainers transmitted from the studios of Station WEAF, New York.

10:00 p. m.—Concert by the Goodrich Silverton City Orchestra, sponsored by the B. F. Goodrich Rubber Co., transmitted from the studios of Station WEAF, New York.

WEDNESDAY, DECEMBER 24.

6:30 p. m.—Dinner concert transmitted from William Penn Hotel.

8:30 p. m.—Concert by artists and orchestra, transmitted direct from the Nixon Restaurant.

THURSDAY, DECEMBER 25.

6:30 p. m.—Dinner concert transmitted from William Penn Hotel.

8:30 p. m.—Concert by artists representing Maite Post No. 12, Veterans of Foreign Wars.

WCBD—ZION CITY, ILL.
(345 METERS)

(Central Time.)

SUNDAY, DECEMBER 21.

6:30 p. m.—Program given by the mixed quartet, assisted by the following performers: Mr. and Mrs. G. P. Sparrow, tenor and contralto; Miss Erma Reynolds, soprano; Miss Edie Carey, contralto; Mr. G. R. Sparrow, tenor; Mrs. G. R. Sparrow, contralto; Carey Sisters, duet; Misses Wiedman Taylor, Pihl and Mrs. Bishop, celestial bells; Messrs. Daniel and Gerald Mason, trombone and cornet; Mr. Herman Becker, cello; Mr. Richard J. Moore, piano.

MONDAY, DECEMBER 22.

6:30 p. m.—Program given by the mixed quartet, assisted by the following performers: Mr. and Mrs. G. P. Sparrow, tenor and contralto; Miss Erma Reynolds, soprano; Mr. and Mrs. J. Thomas, soprano and baritone; Mr. J. D. Thomas, soprano; Mr. Richard F. Hise, violin; Mrs. Susie Barto, reader; Mr. and Mrs. David McElroy, piano duet.

TUESDAY, DECEMBER 23.

6:30 p. m.—A special Christmas program given by Zion Junior Choir, the pupils of the kindergarten class.

WCCO—MINNEAPOLIS, MINN. (417 METERS)

(Central Time.)

SUNDAY, DECEMBER 21.

7:20 p. m.—Second Church of Christ, Calvary Baptist Church, Minneapolis.

MONDAY, DECEMBER 22.

8:30 p. m.—Montana night.

10:00 p. m.—Golden Pheasant Orchestra.

TUESDAY, DECEMBER 23.

6:30 p. m.—George Osborn's Original Nicolliet Hotel Orchestra.

WEDNESDAY, DECEMBER 24.

7:00 p. m.—Midweek church service, Calvary Baptist Church, Minneapolis.

10:45 p. m.—Christmas eve service, Central Lutheran Church.

THURSDAY, DECEMBER 25.

6:00 p. m.—Biley's Concert Orchestra, St. Paul Hotel.

10:00 p. m.—George Osborn's Original Nicolliet Hotel Orchestra.

FRIDAY, DECEMBER 26.

6:00 p. m.—Program to be announced.

RADIO PROGRAMS FOR THE WEEK—Continued



Most of the radio fans here tune all other stations in order to listen KSD, for we are always certain to be the best in classic music, which, all, is the best to broadcast. Your programs are excellent and your popular reception always good. And that we had more broadcasting our caliber. Thanking you in behalf of all radio fans in our neighborhood, enjoy your programs.

ESTHER SCHVEN.

Philadelphia, Pa. Thankfully continue to tune in your testing programs night. You are congratulated from every angle your power ne'er grows less.

R. A. CULLEN.

Seattle, Wash. Please tell the quartet we enjoyed your renditions very much, also of the program. F. FARRISH.

Oak Lawn, R. I. Dear Mrs. Lora Miller Burke play piano solo. Reception fine. JOHN L. SPERRY.

Wilkes Barre, Pa. Enjoyed the quartet and other broadcast very much. Very distinct and clear. Best regards. M. W. McCARTL.

Hamilton, Bermuda Islands. Often listen in and enjoy your fine programs and get you quite clearly, though so many hundreds of miles away in you in mid-Atlantic. WALTER E. SPURLING.

Queens, B. C. Heard last night your broadcasting clearly on long speaker. "I Want Be Happy," from opera "No, No Nettie," also "One Stolen Kiss," and a section from "Il Trovatore." We are about 450 miles directly north of Seattle as I am quite an amateur. I thought you were doing fairly well. We enjoyed your concert very much.

MRS. W. E. THORNE.

Providence, R. I. Enjoyed your program Dec. 10 very much. Reception was excellent. F. H. FRANKLIN.

Marion, Ore. Received your program last night. Special thanks to Rainbo Girls.

MR. AND MRS. S. E. ROLAND.

Cleveland, O. Received your concerts very good and enjoyed the music and singing very much. Wishing you a Merry Christmas and Happy New Year.

FRED BURETTE.

Big Sandy, Mont. Tuned in on KSD last night just in time to hear the last two numbers on the program by the Exchange Club and many thanks to the Post-Dispatch and the artists.

JOHN B. GEISER.

Monett, Mo. Always your friend, I think KSD is the best on the air, as the quality of programs speaks for itself.

HERBERT C. STARCK.

Holcomb, Miss. I was an ethereal guest at your band last night at the City Club. The edibles "lay mighty light on my stomach," but the verbal sentiments expressed by the speakers lighted a torch which had almost been extinguished. That is the KSD spirit. Thank you.

W. W. WHITAKER.

the New England Conservatory of Music, under the auspices of the Commonwealth of Massachusetts, Department of Education, Boston.

SATURDAY, DEC. 27. 4:30 p. m.—Instrumental concert by Copley Plaza Orchestra. 1:30 p. m.—After-dinner concert by Hotel Kimball Trio. 2:30 p. m.—Program by Leon Weltman and assisting soloists from Weltman Conservatory of Music. 3:30 p. m.—Concert by G. F. Heim, trumpeter.

WCAE—PITTSBURG, PA. (462 METERS) (Eastern Time.)

SUNDAY, DECEMBER 21. 4:30 p. m.—Piano recital by Prof. Otto Kaltke. 5:30 p. m.—Dinner concert transmitted from William Penn Hotel.

MONDAY, DECEMBER 22. 4:30 p. m.—Dinner concert transmitted from William Penn Hotel. 1:30 p. m.—Concert by artist-pupils from the studios of Mme. Lelia Wilson-Smith. 10:30 p. m.—Flight of The Mythical Dirigible.

TUESDAY, DECEMBER 23. 4:30 p. m.—Dinner concert transmitted from William Penn Hotel. 1:30 p. m.—Concert.

WEAF—NEW YORK, N. Y. (492 METERS) (Eastern Time.)

SUNDAY, DECEMBER 21. 4:30 p. m.—Piano tuning-in number on the Duo-Art Address, C. H. Cheney, sixth of a series of talks on banking. The Tell-Me-a-Story Lady. Music, The Hanlein-Knautson Trianon Ensemble, Hotel Muehlebach.

MONDAY, DECEMBER 22. 4:30 p. m.—Concert by the National Carbon Co.'s Eveready Entertainers, transmitted from the studios of Station WEAF, New York.

TUESDAY, DECEMBER 23. 4:30 to 4:30 p. m.—The Star's Radio Trio. 5:00 to 5:30 p. m.—Weekly child talent program given by the junior division of the second district, Missouri Federated Music Club.

11:45 p. m. to 1 a. m.—(Nighthawk Frolic)—The "Merry Old Chief" and the Plantation Players, Hotel Muehlebach.

WEDNESDAY, DECEMBER 24. 4:30 p. m.—Dinner concert transmitted from William Penn Hotel.

1:30 p. m.—Musical program.

THURSDAY, DECEMBER 25. 4:30 p. m.—Dinner concert transmitted from William Penn Hotel. 1:30 p. m.—Musical program.

FRIDAY, DECEMBER 26. 4:30 p. m.—Dinner concert transmitted from William Penn Hotel.

1:30 p. m.—Musical program.

SATURDAY, DECEMBER 27. 4:30 p. m.—Dinner concert transmitted from William Penn Hotel.

1:30 p. m.—Musical program.

WCRD—ZION CITY, ILL. (345 METERS) (Central Time.)

SUNDAY, DECEMBER 21. 4:30 p. m.—Program given by the mixed quartet, assisted by the following performers: Mr. and Mrs. G. R. Sparrow, tenor and contralto; Mrs. Erma Reynolds, soprano; Miss Edith Carey, contralto; Mr. G. R. Sparrow, tenor; Mrs. G. R. Sparrow, contralto; Carey Sisters, duet; Misses Wiedman, Taylor, Phil and Mrs. Bishop, celestial bells; Messrs. Daniel and Gerald Mason, trombone and cornet; Mr. Herman Becker, cello; Mr. Richard F. Hirsh, piano.

MONDAY, DECEMBER 22. 4:30 p. m.—Program given by the mixed quartet, assisted by the following performers: Messrs. McHaffey, Rendall, Sack and McElroy, celestial bells; Mr. Fred Faasen, organ; Mrs. J. D. Thomas, soprano and baritone; Mrs. J. D. Thomas, soprano; Mr. Richard F. Hirsh, violin; Mrs. Susie Barton Smith, reader; Mr. and Mrs. David McElroy, piano duet.

TUESDAY, DECEMBER 23. 4:30 p. m.—A special Christmas program given by Zion Junior Choir and the pupils of the kindergarten class.

WCCO—MINNEAPOLIS, MINN. (417 METERS) (Central Time.)

SUNDAY, DECEMBER 21. 4:30 p. m.—Second Church of Christ. 11:15 p. m.—Twin City String Quartet.

MONDAY, DECEMBER 22. 10:30 p. m.—Montana night.

10:30 p. m.—Golden Pheasant Orchestra.

TUESDAY, DECEMBER 23. 4:30 p. m.—George Osborn's Original Nicelot Hotel Orchestra.

WEDNESDAY, DECEMBER 24. 4:30 p. m.—Midweek church service, Calvary Baptist Church, Minneapolis.

10:45 p. m.—Christmas eve service, Central Lutheran Church.

THURSDAY, DECEMBER 25. 4:30 p. m.—Biley's Concert Orchestra, Hotel Paul.

10:30 p. m.—George Osborn's Original Nicelot Hotel Orchestra.

FRIDAY, DECEMBER 26. 4:30 p. m.—Program to be announced.

SATURDAY, DECEMBER 27. 4:30 p. m.—Musical program to be announced.

WDAR—PHILADELPHIA, PA. (395 METERS) (Eastern Time.)

SATURDAY, DECEMBER 27. 8:30 p. m.—Musical program to be announced.

10:30 p. m.—St. Paul Athletic Club Orchestra.

MONDAY, DECEMBER 29. 8 p. m.—Arcadia Cafe Concert Orchestra, Feri Sarkozy, director.

8:30 p. m.—Artist recital from the studio.

9:30 p. m.—Features from the Stanley Symphony Orchestra.

10 p. m.—Arcadia Cafe Dance Orchestra, Vaudeville features from Fay's Knickerbocker Theater.

MONDAY, DECEMBER 29. 8:30 p. m.—Program of dance music broadcast from the control room in the Green Hill Farms Hotel, Overbrook, Pa., Kenton Green Hill Farms Orchestra. Artist recital from the studio.

10 p. m.—Arcadia Dance Orchestra, Salvatore Plaza, director.

MONDAY, DECEMBER 29. 8:15 p. m.—Program of dance music broadcast from the control room in the Green Hill Farms Hotel, Overbrook, Pa., Kenton Green Hill Farms Orchestra. Artist recital from the studio.

10 p. m.—Meeting of the Morning Glory Club, Arcadia Dance Orchestra.

1 a. m.—Features from the studio.

WEAF—NEW YORK, N. Y. (492 METERS) (Eastern Time.)

SUNDAY, DECEMBER 21. 4:30 to 5:30 p. m.—Weekly Boy Scout program, presented by Kansas City Council of Boy Scouts.

5:50 to 6:00 p. m.—Marketgram, weather forecast, time signal and road report.

6:00 to 7:00 p. m.—(School of the Air): Piano tuning-in number on the Duo-Art Address, speaker under the auspices of the Health Conservation Association. Address, speaker from the Meat Council of Greater Kansas City. The Tell-Me-a-Story Lady. Music, The Hanlein-Knautson Trianon Ensemble, Hotel Muehlebach.

11:45 p. m. to 1 a. m.—(Nighthawk Frolic)—The "Merry Old Chief" and the Plantation Players, Hotel Muehlebach.

MONDAY, DECEMBER 22. 4:30 to 4:30 p. m.—The Star's Radio Trio.

5:50 to 6:00 p. m.—Marketgram, weather forecast, time signal and road report.

6:00 to 7:00 p. m.—(School of the Air): Piano tuning-in number on the Duo-Art Address, speaker from the Kansas City Children's Bureau. The Tell-Me-a-Story Lady. Music, The Hanlein-Knautson Trianon Ensemble, Hotel Muehlebach.

11:45 p. m. to 1 a. m.—(Nighthawk Frolic)—The "Merry Old Chief" and the Plantation Players, Hotel Muehlebach.

TUESDAY, DECEMBER 23. 4:30 to 4:30 p. m.—The Star's Radio Trio.

5:50 to 6:00 p. m.—Marketgram, weather forecast, time signal and road report.

6:00 to 7:00 p. m.—(School of the Air): Piano tuning-in number on the Duo-Art Address, speaker to be announced. The Tell-Me-a-Story Lady. Music, The Hanlein-Knautson Trianon Ensemble, Hotel Muehlebach.

11:45 p. m. to 1 a. m.—(Nighthawk Frolic)—The "Merry Old Chief" and the Plantation Players, Hotel Muehlebach.

WEDNESDAY, DECEMBER 24. 4:30 to 4:30 p. m.—The Star's Radio Trio.

5:50 to 6:00 p. m.—Marketgram, weather forecast, time signal and road report.

6:00 to 7:00 p. m.—(School of the Air): Piano tuning-in number on the Duo-Art Address, speaker to be announced. The Tell-Me-a-Story Lady. Music, The Hanlein-Knautson Trianon Ensemble, Hotel Muehlebach.

11:45 p. m. to 1 a. m.—(Nighthawk Frolic)—The "Merry Old Chief" and the Plantation Players, Hotel Muehlebach.

THURSDAY, DECEMBER 25. 4:30 to 4:30 p. m.—The Star's Radio Trio.

5:50 to 6:00 p. m.—Marketgram, weather forecast, time signal and road report.

6:00 to 7:00 p. m.—(School of the Air): Piano tuning-in number on the Duo-Art Address, speaker to be announced. The Tell-Me-a-Story Lady. Music, The Hanlein-Knautson Trianon Ensemble, Hotel Muehlebach.

11:45 p. m. to 1 a. m.—(Nighthawk Frolic)—The "Merry Old Chief" and the Plantation Players, Hotel Muehlebach.

FRIDAY, DECEMBER 26. 4:30 to 4:30 p. m.—Program to be announced.

SATURDAY, DECEMBER 27. 4:30 to 4:30 p. m.—Musical program to be announced.

WDAR—PHILADELPHIA, PA. (395 METERS) (Eastern Time.)

SATURDAY, DECEMBER 27. 8:30 p. m.—Musical program to be announced.

10:30 p. m.—St. Paul Athletic Club Orchestra.

MONDAY, DECEMBER 29. 8 p. m.—Arcadia Cafe Concert Orchestra, Feri Sarkozy, director.

8:30 p. m.—Artist recital from the studio.

9:30 p. m.—Features from the Stanley Symphony Orchestra.

10 p. m.—Arcadia Cafe Dance Orchestra, Vaudeville features from Fay's Knickerbocker Theater.

MONDAY, DECEMBER 29. 8:30 p. m.—Arcadia Cafe Dance Orchestra, Vaudeville features from Fay's Knickerbocker Theater.

8:30 p. m.—Artist recital from the studio.

9:30 p. m.—Features from the Stanley Symphony Orchestra.

10 p. m.—Arcadia Cafe Dance Orchestra, Vaudeville features from Fay's Knickerbocker Theater.

MONDAY, DECEMBER 29. 8:30 p. m.—Arcadia Cafe Dance Orchestra, Vaudeville features from Fay's Knickerbocker Theater.

8:30 p. m.—Artist recital from the studio.

9:30 p. m.—Features from the Stanley Symphony Orchestra.

10 p. m.—Arcadia Cafe Dance Orchestra, Vaudeville features from Fay's Knickerbocker Theater.

MONDAY, DECEMBER 29. 8:30 p. m.—Arcadia Cafe Dance Orchestra, Vaudeville features from Fay's Knickerbocker Theater.

8:30 p. m.—Artist recital from the studio.

9:30 p. m.—Features from the Stanley Symphony Orchestra.

10 p. m.—Arcadia Cafe Dance Orchestra, Vaudeville features from Fay's Knickerbocker Theater.

MONDAY, DECEMBER 29. 8:30 p. m.—Arcadia Cafe Dance Orchestra, Vaudeville features from Fay's Knickerbocker Theater.

8:30 p. m.—Artist recital from the studio.

9:30 p. m.—Features from the Stanley Symphony Orchestra.

10 p. m.—Arcadia Cafe Dance Orchestra, Vaudeville features from Fay's Knickerbocker Theater.

MONDAY, DECEMBER 29. 8:30 p. m.—Arcadia Cafe Dance Orchestra,

RADIO PROGRAMS FOR THE WEEK—Continued

10:45 p. m.—Chris Meehan, Songs of Yesterday and Today.

11 p. m.—Vincent Rose Orchestra from Crystal Room, Hotel Ritz-Carlton.

WEDNESDAY, DEC. 24.

6:30 p. m.—Clarence Williams, Eva Taylor and Clarence Todd, entertainers. Ed Euline's One-Man Radio Show.

THURSDAY, DEC. 25.

9: p. m.—Reading of O. Henry's "Gift of the Magi," by Randolph Somerville. Christmas carol, William Stewart, Christmas verses. Mr. Harold F. Noble, tenor.

11 p. m.—Special program direct from studio in Piccadilly Theater.

FRIDAY, DEC. 26.

6:30 p. m.—Nat Martin's "I'll Say She Is" Orchestra.

SATURDAY, DEC. 27.

7:30 p. m.—Armand Vesey and Ritz-Carlton Concert Orchestra.

9:30 p. m.—Peter Pan Night, arranged by Eddie Cebula. Those participating include Betty Bronson, star; Herbert Brenon, director; and Jesse Lasky, producer, of screen version of Barrie's famous story.

10 p. m.—Mrs. Frank Leslie, soprano, and James J. MacDermitt, pianist. Henry E. Bie, violinist. Mrs. Frank Leslie, soprano; James J. MacDermitt, pianist. Victor Wilbur and Joe Macy, popular songs.

11 to 12 p. m.—Russian Eagle Orchestra.

WGR—BUFFALO, N. Y.

(319 METERS)

(Eastern Time.)

SUNDAY, DECEMBER 21.

4:00 p. m.—Organ recital, John F. Gunderman Jr., organist.

7:15 p. m.—Pre-service organ recital, direct from Central Presbyterian Church. Evening service direct from Central Presbyterian Church. Sermon, "Christmas and Christians."

MONDAY, DECEMBER 22.

3:30 p. m.—Recital by Mrs. E. Retter. 10:00 p. m.—Under the personal direction of Howard Hartell.

TUESDAY, DECEMBER 23.

9:00 p. m.—National Carbon Co.'s Ev-

What Engineers Are
Doing in Radio Field

(Continued From Page 1.)

communication companies, military services, amateurs; in short, every important radio interest has begun operations between 2000 and 20,000 kilocycles. Even higher frequencies have been used in experiments, but there is every likelihood that in the development of frequencies above 20,000 kilocycles directive transmission will predominate and the problem will be of a distinctly different character.

So important are these high frequencies now, the Third National Radio conference, held in October, 1924, parceled out the high-frequency territory among the various radio services, thus reaching a solution of a problem which only a year ago was regarded as insoluble, that of finding more communication channels. Alternate frequency bands approximately 10 per cent wide were assigned to the following different services: Land point-to-point, aircraft, ship, relay broadcasting, public service, amateur and army mobile. An important principle was followed in this assignment, viz., each service was protected from possible harmonic interference from stations of other services by placing several frequency bands of any given service on its own harmonics.

Great improvements are in progress in directive or "beam" transmission. It is accomplished by using a number of transmitting antennae and so adjusting the phases of the current in each, in relation to their distances apart, that reinforcement of radiation is obtained in one direction and more or less naturalization of radiation in other directions. An obvious advantage of beam transmission is that much lower power is required than in ordinary radio transmission, since the transmitting power is all utilized in sending the waves in the desired direction instead of all directions. This important advantage, which means reduced cost, will probably not be fully realized because the great ratio of transmission in the desired or undesired directions is probably reduced as the wave spreads out to great distances. The undoubtedly great directivity for relatively short distances from the transmitting station, however, offers highly important advantages in another particular direc-

tion, the reduction of interference caused by the transmitting station.

One of the principal means of over-coming interference between the transmissions from simultaneously operating radio stations is obviously the increase of selectivity or narrowing of the band of frequency which each station uses. Progress in this direction is being made in all the various types of transmission, as, for example, through the use of filtering devices for radio telephony and coupled circuits in spark apparatus. The principal advance, however, is the increasing adoption of continuous-wave transmission for radio telegraphy.

We also have the advent of strictly constant-frequency systems. A striking means of accomplishing this is furnished by the piezo-electric oscillator. A new radio communication system of the utmost selectivity and precision is made available by this new device, and services which require the operation of a large number of transmitting stations spaced as closely together as possible in frequency and taking full advantage of CW transmission will find this a great improvement.

The various causes of interference divide into two great classes, natural and man-made. Progress is being steadily made against both of these enemies. As to the natural interference, there will be always a certain residuum of atmospheric disturbances and fading which will necessarily limit the distance from any broadcasting station at which reliable satisfactory reception will be possible. The various kinds of man-made interference, on the other hand, are curable and are of local character; it can be expected that more and more localities will be freed from the various types of this pest.

Increase of knowledge and of practical

applications characterize all phases of radio. We are coming to have a picture of the machinery by which the waves are being made in the behavior and potentialities of the waves of hitherto unknown frequencies. We are learning to direct the waves in a desired direction. The battle against interference is being won in spite of enormous increase in the use of radio.

WEDNESDAY, DECEMBER 24.

9:00 p. m.—Recital, Marlow Shaw, pianist, Gertrude Thompson, reader.

9:30 p. m.—Festival of Light program (Chanukah), Jewish Community Building.

11:30 p. m.—Christmas carols, harp and ladies' quartet, Miss Gertrude Hutchinson in charge.

FRIDAY, DECEMBER 26.

8:00 p. m.—Program by Leonard W. Grant, baritone; Wendell Fallis, violin; Mrs. John May, soprano.

11:30 p. m.—Program of dance music by Lou Voin's Music Box.

SATURDAY, DECEMBER 27.

9:00 p. m.—Dance music by Phil Romano's Orchestra from New Kenmore Hotel; popular songs.

WHAS—LOUISVILLE, KY.

(400 METERS)

(Central Time.)

SUNDAY, DECEMBER 21.

4:00 to 5:00 p. m.—Vesper song service under the auspices of the First Unitarian Church.

TUESDAY, DECEMBER 23.

7:30 to 8:00 p. m.—Concert by Royson's Entertainers of Jeffersonville, Ind.

WEDNESDAY, DECEMBER 24.

7:30 to 9:00 p. m.—Concert by the K. & I. Terminal Railroad Orchestra. Selections by the string division of the K. & I. Terminal Railroad Orchestra.

THURSDAY, DECEMBER 25.

7:30 to 9:00 p. m.—Concert by Barne Rapp's Orchestra at the Brown Hotel.

FRIDAY, DECEMBER 26.

7:30 to 9:00 p. m.—Concert under the auspices of the Kentucky Night Owls. Soprano solo, Miss Alice Monroe, Jeffersonville, Ind.

SATURDAY, DECEMBER 27.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

WHAZ—TROY, N. Y.

(380 METERS)

(Eastern Time.)

SUNDAY, DECEMBER 21.

10:00 p. m.—"Brunswick Hour of Music," by Brunswick record artists; also broadcast by WJZ, New York.

MONDAY, DECEMBER 22.

9:00 p. m.—"Emo's Weekly Movie Broadcast," by Bill M. Orowitz, and a surprise program by O'Dell's Hippodrome Theater Orchestra of Pottsville, Pa., under the direction of Jerry O'Dell. Courtesy of George Beathum Theaters.

TUESDAY, DECEMBER 23.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

WEDNESDAY, DECEMBER 24.

7:30 to 9:00 p. m.—"Emo's Weekly Movie Broadcast," by Bill M. Orowitz, and a surprise program by O'Dell's Hippodrome Theater Orchestra of Pottsville, Pa., under the direction of Jerry O'Dell. Courtesy of George Beathum Theaters.

THURSDAY, DECEMBER 25.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

MONDAY, DECEMBER 26.

9:00 p. m.—"Emo's Weekly Movie Broadcast," by Bill M. Orowitz, and a surprise program by O'Dell's Hippodrome Theater Orchestra of Pottsville, Pa., under the direction of Jerry O'Dell. Courtesy of George Beathum Theaters.

TUESDAY, DECEMBER 27.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

SUNDAY, DECEMBER 21.

10:00 p. m.—"Xmas Program," by Mrs. Eugene Cummins.

MONDAY, DECEMBER 22.

9:00 p. m.—"Xmas Program," by Mrs. Eugene Cummins.

TUESDAY, DECEMBER 23.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

WEDNESDAY, DECEMBER 24.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

THURSDAY, DECEMBER 25.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

MONDAY, DECEMBER 26.

9:00 p. m.—"Xmas Program," by Mrs. Eugene Cummins.

TUESDAY, DECEMBER 27.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

SUNDAY, DECEMBER 21.

10:00 p. m.—"Xmas Program," by Mrs. Eugene Cummins.

MONDAY, DECEMBER 22.

9:00 p. m.—"Xmas Program," by Mrs. Eugene Cummins.

TUESDAY, DECEMBER 23.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

WEDNESDAY, DECEMBER 24.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

THURSDAY, DECEMBER 25.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

MONDAY, DECEMBER 26.

9:00 p. m.—"Xmas Program," by Mrs. Eugene Cummins.

TUESDAY, DECEMBER 27.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

SUNDAY, DECEMBER 21.

10:00 p. m.—"Xmas Program," by Mrs. Eugene Cummins.

MONDAY, DECEMBER 22.

9:00 p. m.—"Xmas Program," by Mrs. Eugene Cummins.

TUESDAY, DECEMBER 23.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

WEDNESDAY, DECEMBER 24.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

THURSDAY, DECEMBER 25.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

MONDAY, DECEMBER 26.

9:00 p. m.—"Xmas Program," by Mrs. Eugene Cummins.

TUESDAY, DECEMBER 27.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

SUNDAY, DECEMBER 21.

10:00 p. m.—"Xmas Program," by Mrs. Eugene Cummins.

MONDAY, DECEMBER 22.

9:00 p. m.—"Xmas Program," by Mrs. Eugene Cummins.

TUESDAY, DECEMBER 23.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

WEDNESDAY, DECEMBER 24.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

THURSDAY, DECEMBER 25.

7:30 to 9:00 p. m.—Concert by the Synkopat's Six, E. E. Custer, director; specialty by Frank Wright and Frank Bessinger.

MONDAY, DECEMBER 26.

Continued

artists under direction of Prof. Rousseau.

DAY, DECEMBER 22.

—Scotch Kilts Band of Des Moines under direction of James Cowper of Drake University.

12:00 p. m.—Organ recital, L. Meler, organist at the Capitol.

TUESDAY, DECEMBER 24.

—Christmas program including soloists by Soloists Miss Adow and violin solo by Eugene Burdette; selections by the Bankers' Life Orchestra under direction of W. H. Leach.

WEDNESDAY, DECEMBER 25.

—The Williamson Brothers, mandolin and guitar artists; E. Scovall, baritone soloist, Miss Leech, soprano.

PHILADELPHIA, PA. (509 METERS)

(Eastern Time.)

SUNDAY, DEC. 21.

—Evening service broadcast from Holy Trinity Church.

—Her Stad and his WIP Symphony, with Karl Bonowitz on organ, broadcast direct from the town Theater.

TUESDAY, DEC. 23.

—"The Theater" Elliott Lester. —Direct broadcast from the State Penitentiary, Philadelphia, of a special Christmas program, entirely by the inmates.

—"Emo's Weekly Movie Cast" by Eli M. Orowitz, and a new program by O'Dell's Hippo Theater Orchestra of Pottstown, under the direction of Jerry. Courtesy of George Bennett Theaters.

—Dance music by Harvey Mar-

—his Vaudeville Orchestra, cast direct from the Cafe

onions.

THURSDAY, DEC. 25.

—Concert by the Philadelphia Band, under the direction of Joseph Kleber, broadcast from Police Bandroom.

—Dance music by Harvey Mar-

—his Vaudeville Orchestra, cast direct from the Cafe L'Aiglon.

SATURDAY, DEC. 27.

—"The Romance of Chemistry," Mrs. H. La Wall, Ph. M., Sc. D. —Artist's recital by H. Ralph Verner, baritone; Flora Ripka, pianist, reviews by Robert A. Wachsmann, literary critic of Station WIP.

—Dance music by Art Coogan and his orchestra, broadcast from the Madrid.

—Organ recital by Kari Boeck, broadcast direct from the German Theater.

AX—CLEVELAND, O. (390 METERS)

(Eastern Time.)

MONDAY, DECEMBER 22.

—Musical program broadcast from Loew's State Theater.

TUESDAY, DECEMBER 23.

—Program presented including choir from St. Stephen's Church, visit from Santa Claus. Vocal instrumental solos; dance selec-

EDNESDAY, DECEMBER 24.

—Christmas carols by members of the St. Cecilia Society of Ak-

Y—NEW YORK, N. Y. (405 METERS)

(Eastern Time.)

SUNDAY, DEC. 21.

—Bernard Lewin's Hotel Commodore Concert Orchestra.

—"Reminiscences of a Re-

TUESDAY, DEC. 23.

—Duets, Harold J. Brody, ten-

orale. Write us for folder and other Signal Radio

MFG. CO. MINONOMIE, MICHIGAN

RADIO PROGRAMS FOR THE WEEK—Continued

or: Mrs. Rose Covello, soprano.

3:45 p. m.—"The Business Machinery That Puts Your Christmas Stockings," Howard C. Enders, University of the Air.

5:00 p. m.—"Political Situation in Washington Tonight," Frederick William Wile, direct from WRC, Washington.

5:30 p. m.—Estey organ recital.

5:45 p. m.—Raymond Otto Hunter, baritone; Anita G. Glaenzer, mezzo-soprano.

6:25 p. m.—Sandy Albu, violinist.

FRIDAY, DEC. 26.

3:45 p. m.—Garrett Fitz Simons, tenor.

4:30 p. m.—"Winter Sports in Canada," Thomas A. Keen.

4:45 p. m.—Alfred H. Wertheim, violinist; Helen Corwin, accompanist.

5:00 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

5:15 p. m.—Ace Brinkley and his Fourteen Minutemen, direct from Monte Carlo Club.

WJZ—NEW YORK, N. Y. (455 METERS)

(Eastern Time.)

SUNDAY, DEC. 21.

12:00 p. m.—Nathan Albas' Hotel Pennsylvania Orchestra.

3:00 p. m.—Max Kalfus, tenor; Keith McLeod, accompanist.

4:45 p. m.—Joseph Knecht's Waldorf Astoria Sunday concert orchestra; WGY will also broadcast.

5:00 p. m.—"Xmas Program," Broadway Tabernacle Choir.

MONDAY, DEC. 22.

8:00 p. m.—Edgewater Community Chorus; children's chorus and adults' chorus.

9:00 p. m.—Piedmont Trio.

10:00 p. m.—"Xmas Program"; Erna Korn, contralto; Anna Fried, violinist.

10:45 p. m.—Jacques Green and his Club Deauville Orchestra, with Clark's Hawaiianians.

TUESDAY, DEC. 23.

8:00 p. m.—"Essay on literature, Dr. Elias Margolis, "Radio and Books."

9:00 p. m.—U. S. Navy Band, direct from WRC, Washington, D. C.

10:00 p. m.—The Brunswick hour of music, direct from Brunswick recording studio; WRC, WGY and KDKA will also broadcast.

11:00 p. m.—Meyer Davis' Society Orchestra from WRC, Washington, D. C.

WEDNESDAY, DEC. 24.

8:00 p. m.—"Christmas program, 1928," by Billy Wynne's Greenwich Village Inn Orchestra.

10:10 p. m.—"Christmas program direct from WGY, Schenectady; Rose Mountain, contralto; Marion Brewer, soprano.

THURSDAY, DEC. 25.

8:00 p. m.—Samuel S. Aronson, pianist.

8:30 p. m.—Pavlova's "Don Quixote" Ballet music, direct from Manhattan Opera House.

10:00 p. m.—"Beaux Arts Orchestra, direct from Studio Art Club.

SATURDAY, DEC. 27.

8:00 p. m.—Alice Hurrell, soprano; Mabel Bestoff, accompanist.

12:30 p. m.—"College Musical Club" concert, direct from Hotel Plaza ballroom; WRC will also broadcast.

10:30 p. m.—Hotel Astor dance orchestra.

WLB—CINCINNATI, O. (423 METERS)

(Central Time.)

SUNDAY, DEC. 21.

7:15 p. m.—Services of the First Presbyterian Church of Walnut Hills.

8:30 p. m.—Concert by the Western and Southern Orchestra. Soloist, Joseph Vito, harpist.

MONDAY, DEC. 22.

8:00 p. m.—Program from WLW studios, featuring the Cooper Orchestra and Quartet.

10:00 p. m.—Alvin Roehr's Music Makers.

TUESDAY, DEC. 23.

8:30 p. m.—Entertainment from Goodwines.

10:30 p. m.—Special Christmas program.

11:30 p. m.—"Christmas program direct from WGY, Schenectady; Rose Mountain, contralto; Marion Brewer, soprano.

WMC—MEMPHIS, TENN. (500 METERS)

(Central Time.)

MONDAY, DECEMBER 21.

8:30 p. m.—Regular Monday evening re-

quest program by Biggers, Georgia Serenaders.

TUESDAY, DECEMBER 22.

8:30 p. m.—"Madical geography, Mr. and Mrs. Marx E. Oberdorfer." Musical program by St. Leo's surprised choir.

THURSDAY, DECEMBER 27.

8:00 p. m.—Hilda Butler Parr, pianist, and Douglas Malloch, poet; Radio photologue, "Alaska and the Yukon," by Herman Wieg.

8:45 p. m.—Weekly Balban & Katz Chicago Theater revue.

WMC—MEMPHIS, TENN. (500 METERS)

(Central Time.)

MONDAY, DECEMBER 22.

9:00 p. m.—Program by courtesy of Omaha Advertising Selling League.

TUESDAY, DECEMBER 23.

9:00 p. m.—Program arranged and sponsored by Misha Feilish.

THURSDAY, DECEMBER 25.

9:00 p. m.—"Christmas night program.

FRIDAY, DECEMBER 26.

9:00 p. m.—"Merry Music Makers of Hotel Fontenelle.

WLS—CHICAGO, ILL. (345 METERS)

(Central Time.)

TUESDAY, DECEMBER 23.

8:00 p. m.—"Political Situation in Washington Tonight," Frederick William Wile, direct from WRC, Washington.

8:30 p. m.—Estey organ recital.

8:45 p. m.—"Raymond Otto Hunter, baritone; Anita G. Glaenzer, mezzo-soprano.

9:00 p. m.—"George D. Horne, baritone; Wendell Smith, saw and ukulele soloist; Isham Jones and his College Inn Orchestra; Ford and Glenn; special program by the Metropolitan Choirs of the People's Church under personal direction of J. Wesley Jones.

9:30 p. m.—Midnite review.

WEDNESDAY, DEC. 24.

8:00 p. m.—"Farm program.

8:30 p. m.—WLS Theater presents Wallace Bruce Amsbury in Dickens' "Christmas Carol."

8:45 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

9:00 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

9:15 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

9:30 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

9:45 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

10:00 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

10:15 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

10:30 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

10:45 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

11:00 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

11:15 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

11:30 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

11:45 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

12:00 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

12:15 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

12:30 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

12:45 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

1:00 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

1:15 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

1:30 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

1:45 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

2:00 p. m.—"Radio—The World's Schoolhouse," by Mrs. Eugene Cummins.

</

Page Eight. WEEKLY RADIO GUIDE — Section of the St. Louis Post-Dispatch — December 20, 1924.

RADIO PROGRAMS FOR THE WEEK—Continued

10:30 p. m.—Sammy Heiman's Orchestra of Brandeis Store restaurants.

SATURDAY, DECEMBER 27.

9:00 p. m.—Program arranged by Clinton R. Miller.

11:15 p. m.—Wowl frolic, by Frank Hodde Jr., and his Omaha Nightingales.

WOC—DAVENPORT, IOWA (484 METERS)
(Central Time)

SUNDAY, DECEMBER 21.

8:00 p. m.—Church service. A Christmas service conducted by Rev. W. B. Slater, pastor of First Christian Church of Moline, Ill. Christmas carols sung by quartet.

MONDAY, DECEMBER 22.

7:30 p. m.—Educational lecture, "Old Masters," by R. W. Stephenson of Department of Philosophy, The Palmer School of Chiropractic.

8:00 p. m.—Musical program. Special program of Christmas music by the Schmidt Music Co., Concert Orchestra.

10:00 p. m.—Musical program. Program by Temple Chorus of Rock Island, Ill.

8:00 p. m.—Musical program. Special children's program through the courtesy of the Soldiers' Orphans' Home, of Davenport, Ia.

10:00 p. m.—Orchestra program. Special Christmas eve program by The Palmer School Radio Orchestra.

FRIDAY, DECEMBER 26.

7:30 p. m.—Educational lecture. A Christmas talk by Mrs. Otto Elmegreen of Long Grove, Ia.

8:00 p. m.—Musical program. Harry Yeazell Mercer, tenor; Norine Murray, soprano; Eleanor Mooney, accompanist.

SATURDAY, DECEMBER 27.

9:00 p. m.—Orchestra program. Lona Connor and his Le Claire Hotel Orchestra broadcasting direct from the Le Claire Winter Garden, Moline, Ill. Song and novelty numbers by Peter MacArthur.

WOS—JEFFERSON CITY, MO. (440.9 METERS)
(Central Time)

SUNDAY, DECEMBER 21.

7:30 p. m.—Religious services of the First Christian Church.

MONDAY, DECEMBER 22.

8:00 p. m.—Piano recital by Harry M. Snodgrass.

FRIDAY, DECEMBER 26.

8:00 p. m.—Address: "Missouri," by George A. Pickens.

8:15 p. m.—A radio conversation by Jewell Mayes.

8:30 p. m.—Old-time barn dance program of "fiddlin' times" tunes presented by D. B. Jones of Stephens, Mo., assisted by the Oliver Brothers of Columbia, Mo.



Imitation

AMERTRAN was first in the field of broad-band audio amplifying transformers. Imitation of the Amertran should be a simple matter, yet of all the substitutes available today, there is not just as good.

Judged by comparison with its most worthy imitators — and so judged there is little difference in price — Amertran still leads the field.

Buy AmerTrans by the pair!

AmerTrans made in two types, one quality. Price either model, \$7.00, at your dealer's. Send for leaflet giving useful amplifier information.

**AMERICAN
TRANSFORMER COMPANY**
177 Emmet Street, Newark, N. J.
Transformer builders for over 25 years

AMERTRAN

WRC—WASHINGTON, D. C. (469 METERS)
(Eastern Time)

TUESDAY, DECEMBER 23.

8:10 p. m.—Concert by the Sanctuary Choir of St. Patrick's Church, C. A. Benson, director.

8:30 p. m.—"The Political Situation in Washington Tonight," by Frederick William Wile, broadcast jointly with Station WJY.

9:00 p. m.—Concert by the United States Navy Band, Charles Bouter, director, broadcast jointly with Station WJZ.

9:00 p. m.—"Brunswick Hour of Music," Claude Dux, John Charles Thomas, Leopold Godowsky, soloists; Eleuterio Tizio, conductor, on the Brunswick Laboratory, jointly with Stations WJZ, WGY, and KDKA.

11:00 p. m.—Dance program by Meyer Davis' Le Paradis Band direct from the Cafe Le Paradis, broadcast jointly with Station WJZ.

THURSDAY, DECEMBER 25.

7:00 to 12:00 p. m.—Special Christmas program.

FRIDAY, DECEMBER 26.

8:15 p. m.—Bible talk.

10:30 p. m.—Dance program by the Astor Hotel Orchestra, New York, broadcast jointly with Station WJZ, New York City.

11:15 p. m.—Organ recital by Otto Beck, theater.

SUNDAY, DECEMBER 21.

8:00 p. m.—Sacred concert.

MONDAY, DECEMBER 22.

8:00 p. m.—Songs, Angela Devoto and Bert Lindsay; Cliff Burns County Club Orchestra.

TUESDAY, DECEMBER 23.

9:00 p. m.—Musical program.

THURSDAY, DECEMBER 25.

10:00 p. m.—Tenor solo, Howard Hafford; Miss Oramay Ballinger; Romany Reed and string quartet.

SATURDAY, DECEMBER 27.

8:00 p. m.—Chime concert; Bicycle Male Quartet; contralto solo, Miss Helen Nugent; Stept and Collins.

12:00 p. m.—Midnight Entertainers.

12:30 a. m.—Freda Sanker's Toadstool Orchestra.

WSB—ATLANTA, GA. (429 METERS)
(Central Time)

SUNDAY, DECEMBER 21.

5:00 to 6:00 p. m.—Sacred concert by De Kalb County I. O. O. F. convention.

7:30 p. m.—Wesley Memorial Church services.

MONDAY, DECEMBER 22.

10:45 p. m.—Warner's Seven Ages Orchestra.

TUESDAY, DECEMBER 23.

8:00 to 9:00 p. m.—Win-One Quartet in "Song Echoes of Yesterday."

10:45 p. m.—Roger Wole Kahn, million-dollar New York orchestra.

WEDNESDAY, DECEMBER 24.

10:45 p. m.—Christmas eve skylark.

THURSDAY, DECEMBER 25.

8:00 to 9:00 p. m.—Roger Wolfe Kahn, billion-dollar New York orchestra.

10:45 p. m.—All-star Christmas frolic.

FRIDAY, DECEMBER 26.

8:00 to 9:00 p. m.—Hawaiian serenade by Kimo Kalohi's Moonlight Five.

10:45 p. m.—Radiowl entertainment.

SATURDAY, DECEMBER 27.

8:00 to 9:00 p. m.—Ed and Grace McConnell, Georgia songmakers.

10:45 p. m.—Atlanta Journal hired skylark.

WTAM—CLEVELAND, O. (390 METERS)
(Eastern Time)

MONDAY, DECEMBER 22.

7:00 p. m.—Concert program by

The Windemere M. E. Church Choir, assisted by WTAM Symphonic Ensemble.

10:30 p. m. to 1 a. m.—Dance program by Philip Spitalny's Victor Recording Orchestra.

TUESDAY, DECEMBER 23.

6:00 to 7:00 p. m.—Dinner dance program by Guy Lombardo and his Royal Canadians.

FRIDAY, DECEMBER 26.

6:00 to 7:00 p. m.—Dinner dance program by Guy Lombardo and his Royal Canadians.

SATURDAY, DECEMBER 27.

9:00 to 12:00 p. m.—Dance program by the Ev. Jones' WTAM Dance Orchestra.

WWJ—DETROIT, MICH. (517 METERS)
(Eastern Time)

MONDAY, DECEMBER 22.

8:30 p. m.—The Detroit News Orchestra; Miss Marguerite Priest, soprano; Miss Clara Ferguson, contralto; Stanley Perry, tenor.

TUESDAY, DECEMBER 23.

7:00 p. m.—The Detroit News Orchestra; Charles Coates, baritone.

WEDNESDAY, DECEMBER 24.

7:00 p. m.—The Detroit News Orchestra; Charles Coates, baritone.

THURSDAY, DECEMBER 25.

8:00 p. m.—Dance music by Jean Goldkette's Orchestra.

10:00 p. m.—Special Christmas carol service broadcast from St. Paul's Episcopal Cathedral.

FRIDAY, DECEMBER 26.

7:00 p. m.—The Detroit News Orchestra; Mrs. May F. Cowperthwaite, soprano; Ralph Hatch, baritone; Anne Campbell, bell, Detroit News poet.

Two occupants of a house at 1713 North 2 were forced to flee into their night clothing when a fire broke out in their house last night with a large 10 above zero, which was discovered in the plain Sewell Well Co. 901 to which the adjoining tenement was in.

A general alarm bell sounded to the alarm, and gathered a crowd to be stopped and the fire remained within an hour. Sewell, president of the company, could not be reached for the value of the equipment, which consists of tool making machinery. The building is the property of O'Fallon Delaney's estate.

Patrolman Lindstrom, North Market Street, discovered the fire after he had gone on duty. He found that the fire was caused by an overcurrent. The fire spread rapidly and reached the roof, the flames reaching the roof and the occupants fled to a nearby house to dress in time to dress in nearby houses.

COOLIDGE AND PART FOR CRUISE ON M

By the Associated Press
WASHINGTON. De
compared by a small
delegation from the
cruise down the Pot
Mountain morning.

The plan was to sail
as Quantico, Va., to
Washington, to permit the President's
arriving home from the
party, and then down the river again
Monday morning.

The guests include
Gore, William Allen
Kingsbury, publisher, and
George Harvey, former
to England, and Mrs.
and Mrs. Payne, Washington
and David Lawrence, Eugene
managing director of
Finance Corporation, and

NEW LEIPZIG HIGH S
TEACHES ONLY

LEIPZIG, Dec. 20.—
High school has been
in session by radio. It
has been named the "16
Volkschule" in the
Undersecretary of the
Department in charge.

The pupils of the
consist of radio subse
ciples, who are
tutes. In the event of
necessitating dis
illustrations are dis
ples receive illustrated
advance. The lecture
is pointed time, as
he is to page or diagram
as he elucidates his

Mexico Revokes Bank
Official to the Post-Dispatch
NEW YORK, Dec. 19.—
Austin, Tex., bank
\$20,000,000 loan for
Government, and who
been attended with
alarm in Wall Street
notified by Arturo M
loan financing agent
contract with the Mex
Artillit's contract was
cause he failed to no
guarantee bond, de
decrees.



Thousands learning the drawbacks of receivers they now own, find they can afford to start anew with economical Erla Supereflex circuits.

And Erla Supereflex solves the problem for all who have wanted to be certain of giving good, sure-to-work, most modern radio this Christmas.

Everything achieved by Erla engineers in wondrous Supereflex, everything sought

E R L A